

INSTANDSETZUNGSHINWEISE
REPAIR INSTRUCTIONS
INSTRUCTIONS DE REPARATION
INSTRUCCIONES DE REPARACION



Bohrhammer
Rotary Hammer
Marteau perforateur
Martillo perforador

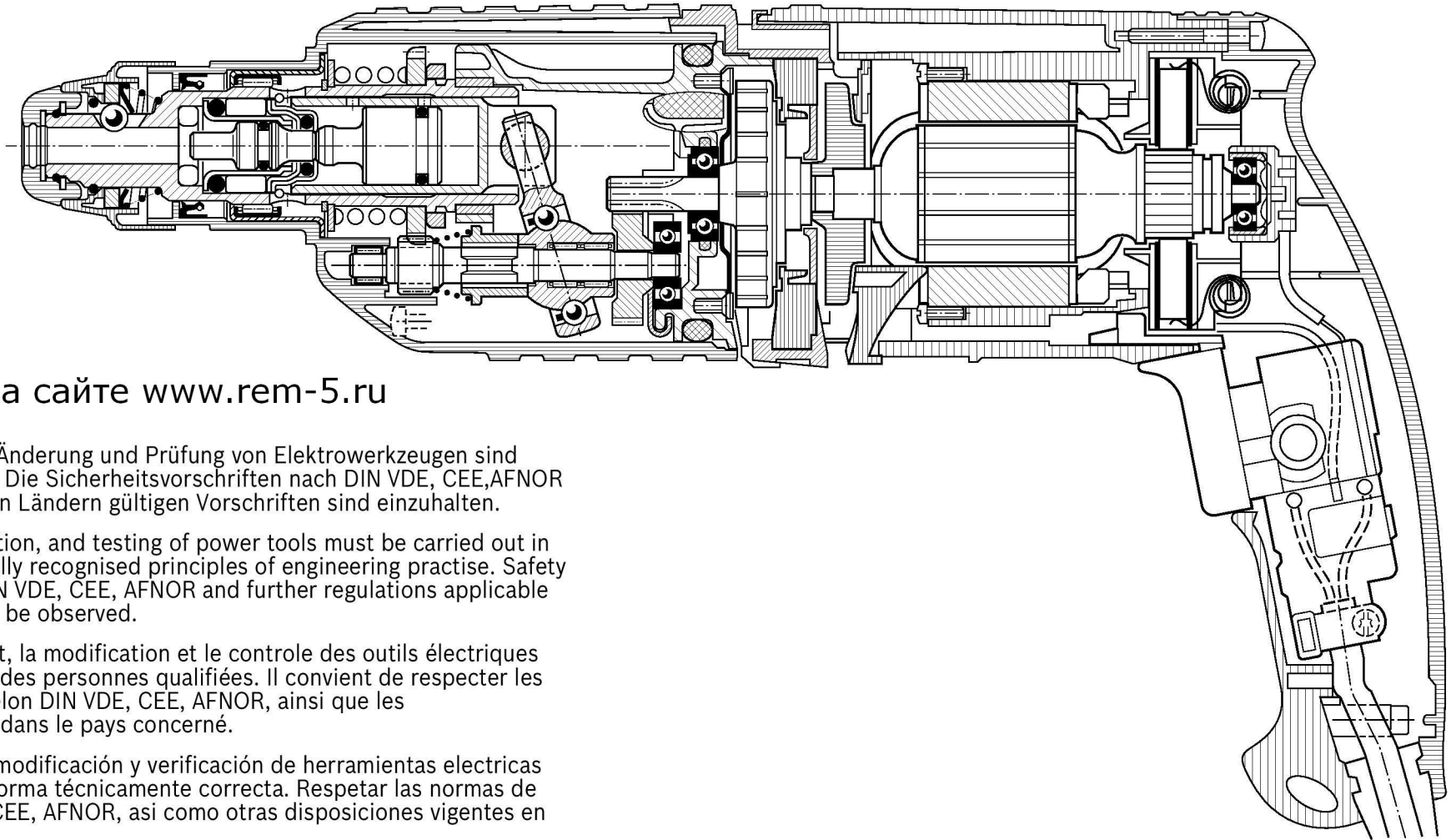
Typ 3 611 B50 500 = GBH 2-23 REA

Änderungen vorbehalten. Unsere Erzeugnisse werden stets dem neuesten technischen Stand angepaßt. Deshalb behalten wir uns Änderungen vor.

Modifications. Our products are constantly modified to meet new technical standards. We therefore reserve the right to alter data and specifications without prior notice.

Modifications. Nos produits sont continuellement adaptés aux dernières nouveautés techniques et les dates sont données sous réserve de changement.

Modificaciones. Nuestros fabricados van siendo adaptos constantemente a las últimas conquistas técnicas. Por ello, tenemos que reservarnos el derecho de introducir modificaciones en los datos técnicos.



Опубликовано на сайте www.rem-5.ru

Beachten: Instandsetzung, Änderung und Prüfung von Elektrowerkzeugen sind fachgerecht durchzuführen. Die Sicherheitsvorschriften nach DIN VDE, CEE, AFNOR und weitere in den einzelnen Ländern gültigen Vorschriften sind einzuhalten.

Attention: Repair, modification, and testing of power tools must be carried out in accordance with the generally recognised principles of engineering practise. Safety regulations according to DIN VDE, CEE, AFNOR and further regulations applicable in individual countries must be observed.

Attention: La remise en état, la modification et le controle des outils électriques doivent être effectués par des personnes qualifiées. Il convient de respecter les prescriptions de sécurité selon DIN VDE, CEE, AFNOR, ainsi que les réglementations en vigueur dans le pays concerné.

Obsérvese: La reparación, modificación y verificación de herramientas electricas mano debe efectuarse en forma técnicamente correcta. Respetar las normas de seguridad segun DIN VDE, CEE, AFNOR, asi como otras disposiciones vigentes en los distinos países.

Zerlegen

Für die Demontage werden handelsübliche Werkzeuge benötigt.

1. Eingangsprüfung durchführen.
Beachten:
Die Sicherheitsvorschriften nach DIN, VDE, CEE, AFNOR und weitere in den einzelnen Ländern gültigen Vorschriften sind einzuhalten.

Disassembly

Use normal trade tools by disassembly.

1. Carry out power supply check.
Attention:
Safety regulations according to DIN, VDE, CEE, AFNOR and further regulations applicable in individual countries must be observed.

Démontage

Pour le démontage, des outils en usage dans le commerce sont nécessaires.

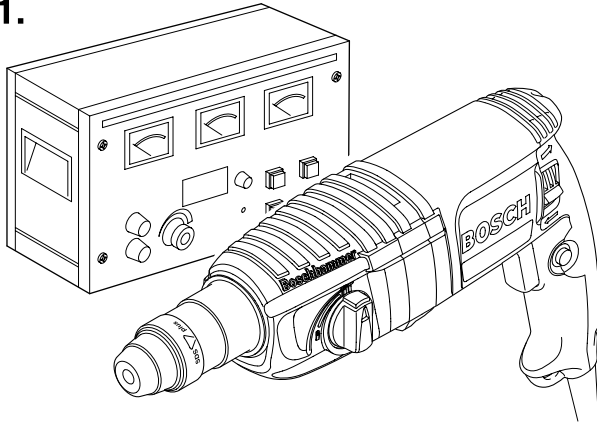
1. Effectuer un contrôle préliminaire.
Attention:
Respecter les instructions de sécurité selon DIN, VDE, CEE, AFNOR et les autres instructions valables dans les pays respectifs.

Desmontaje

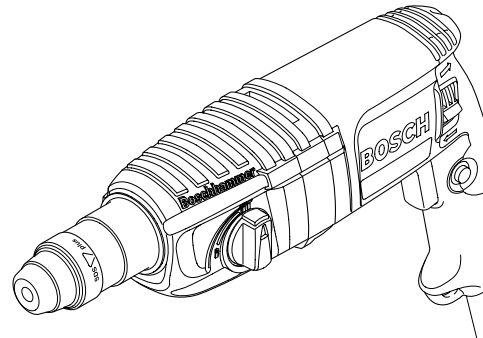
Para el desmontaje no se precisan herramientas especiales.

1. Realizar control de recepción.
Atención:
Atenerse a las prescripciones de seguridad según DIN, VDE, CEE, AFNOR y a las prescripciones adicionales específicas que pudieran existir en los respectivos países.

1.

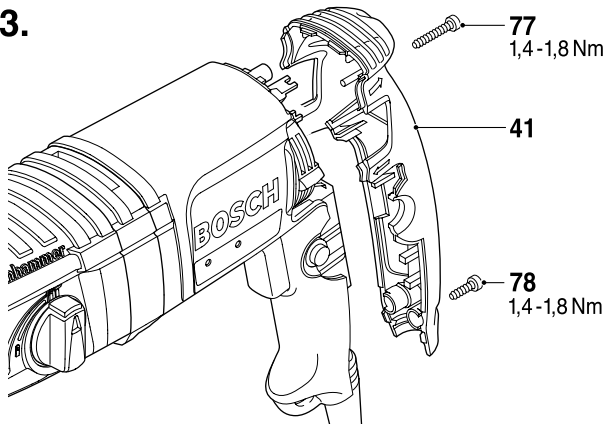


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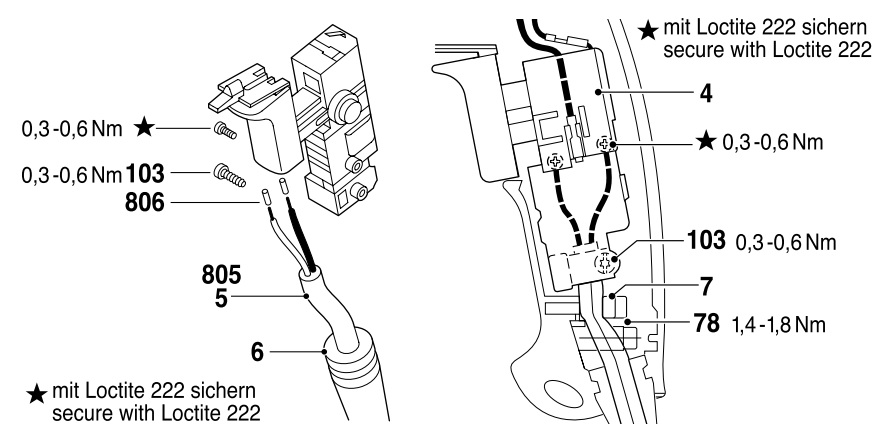
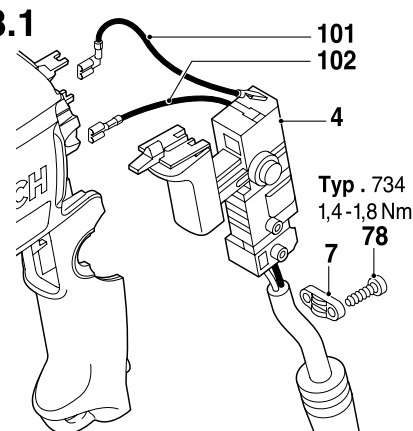


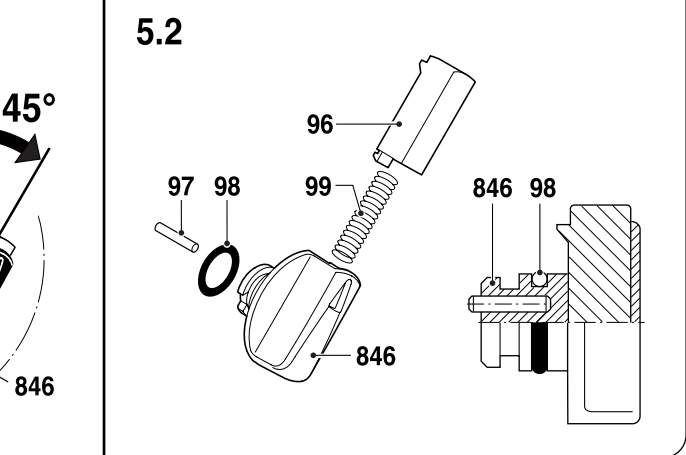
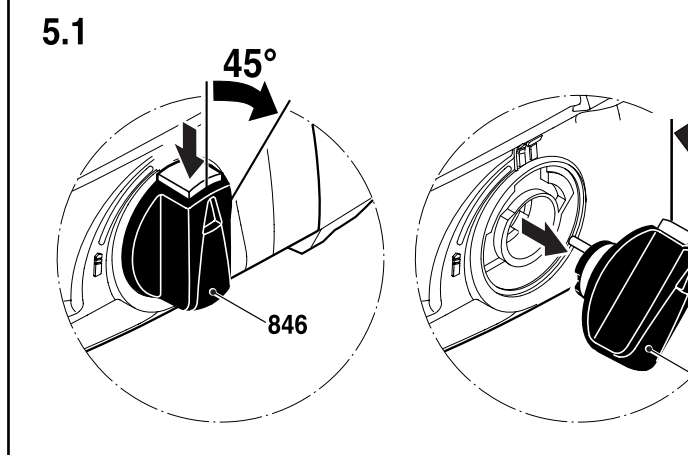
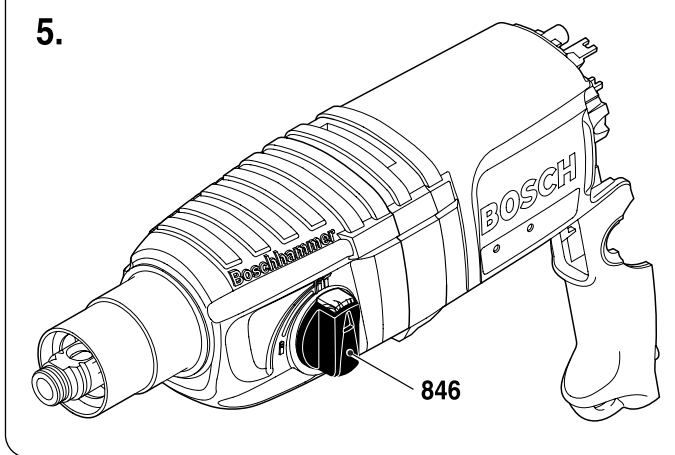
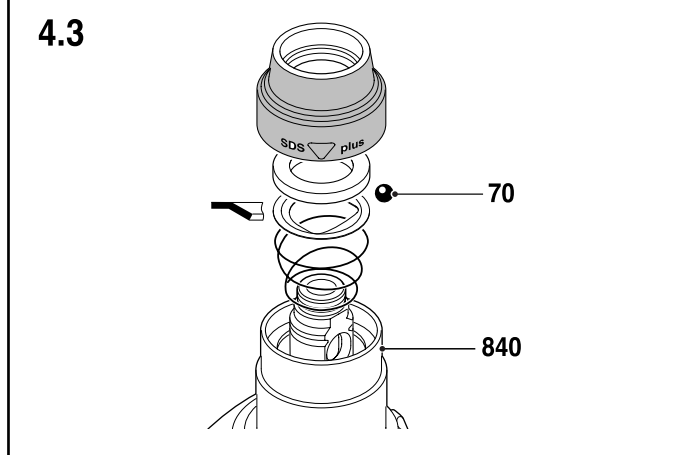
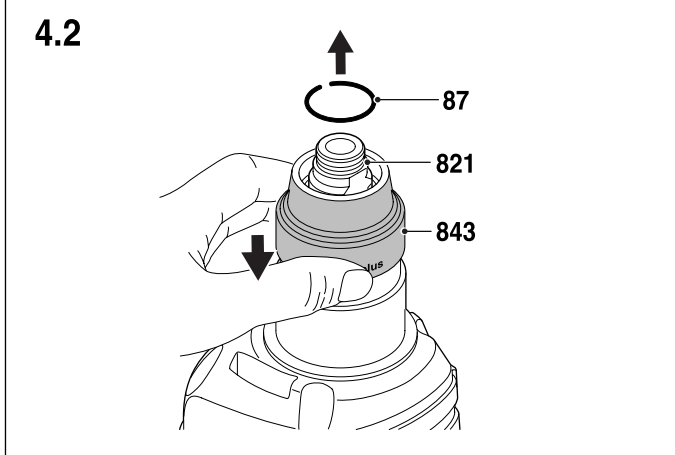
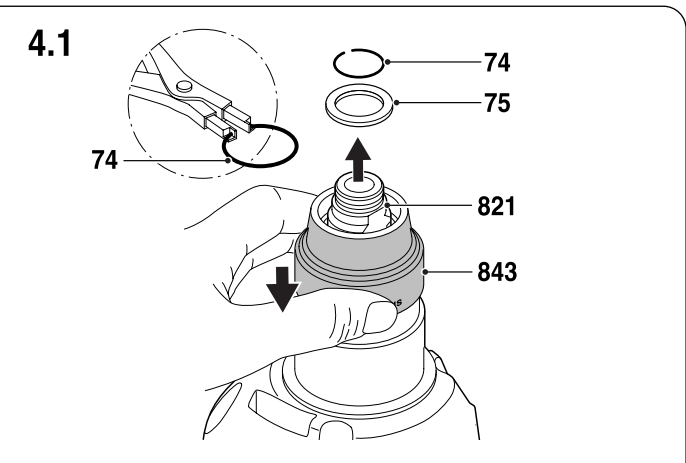
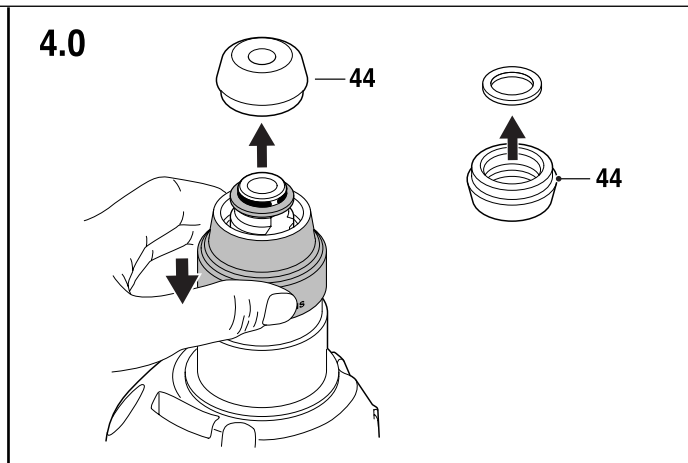
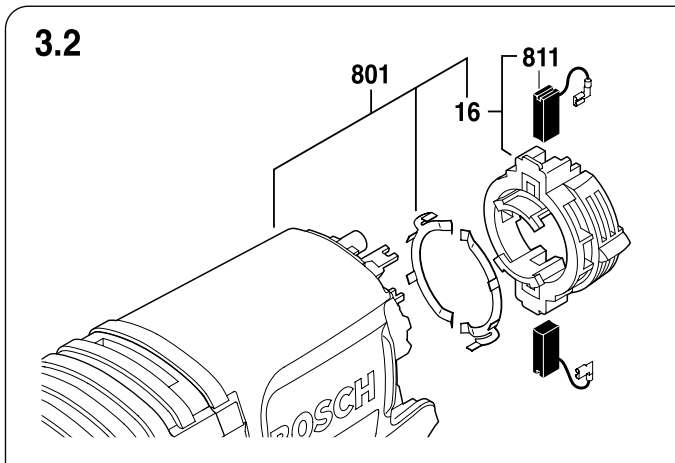
2. Zerlegen nach Explosions-, Schnittzeichnung und diesem Instandsetzungshinweis.
2. Disassembly using explosion, cut-away drawings and these repair instructions!
2. Démontez l'appareil suivant la vue éclatée, le plan en coupe et ces instructions de réparation.
2. Realizar el desmontaje conforme a los dibujos en perspectiva y en sección, y a estas instrucciones de reparación.

3.

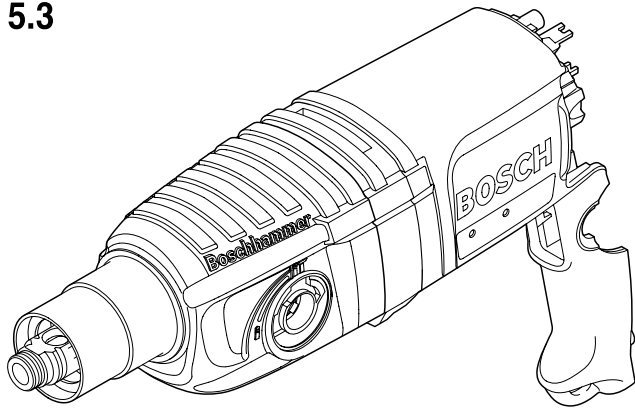


3.1

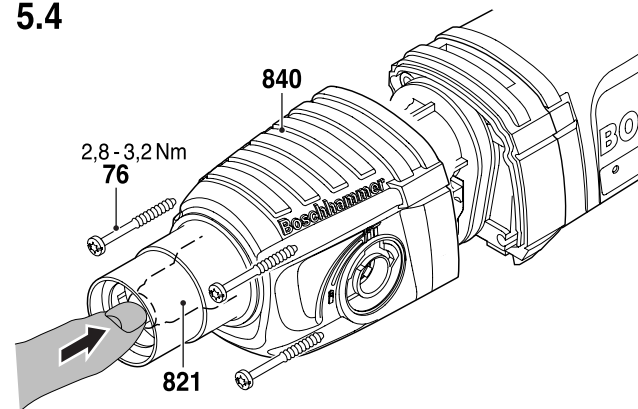




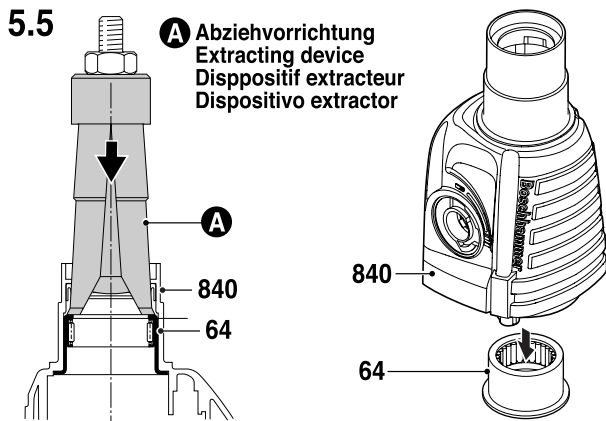
5.3



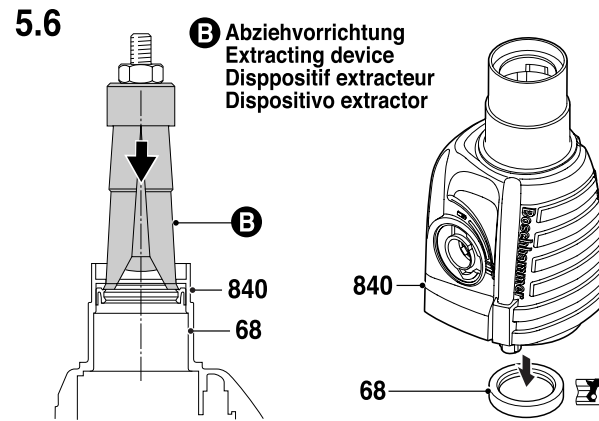
5.4



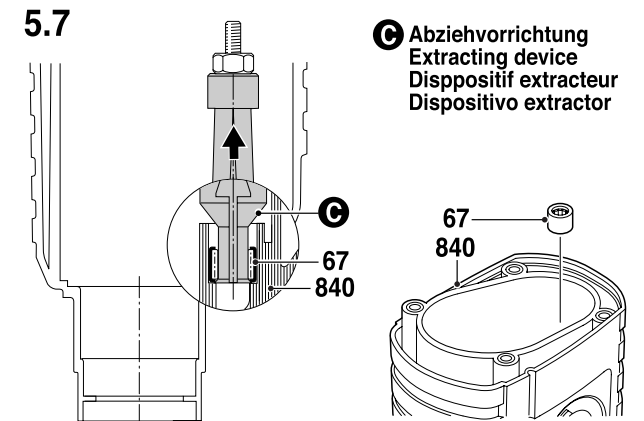
5.5



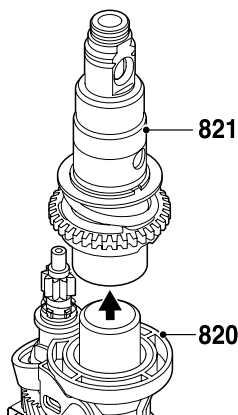
5.6



5.7

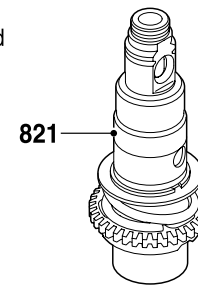


6.

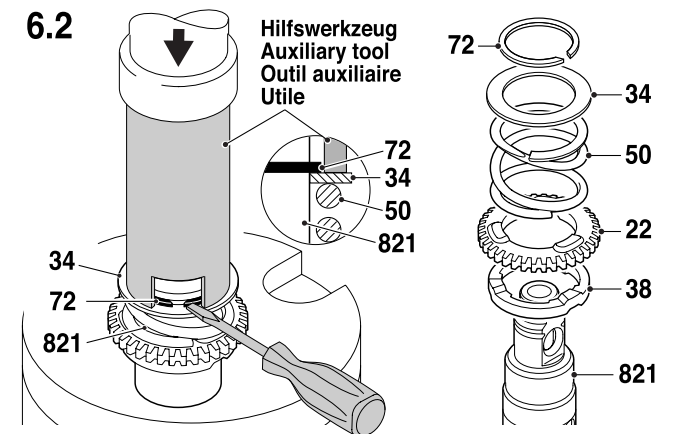


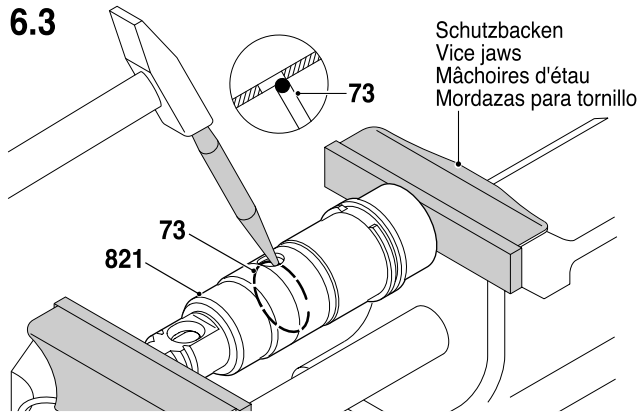
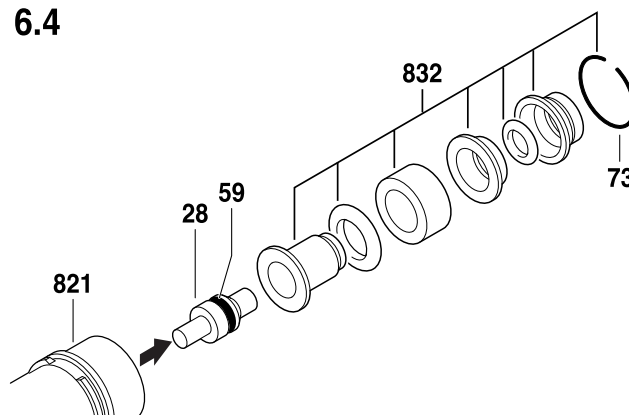
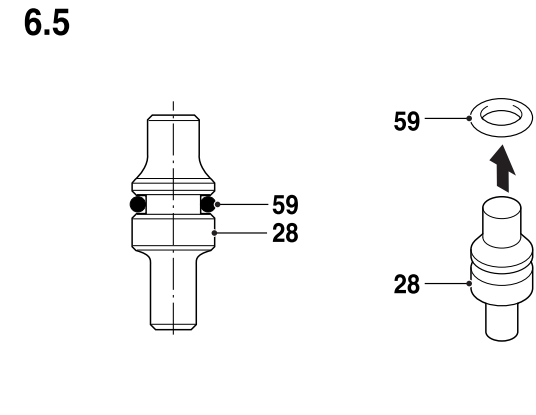
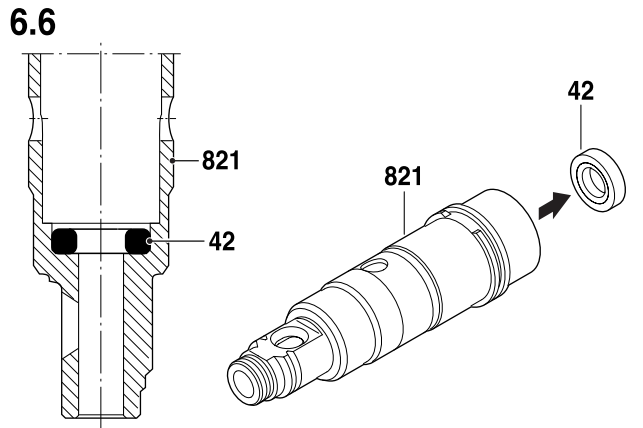
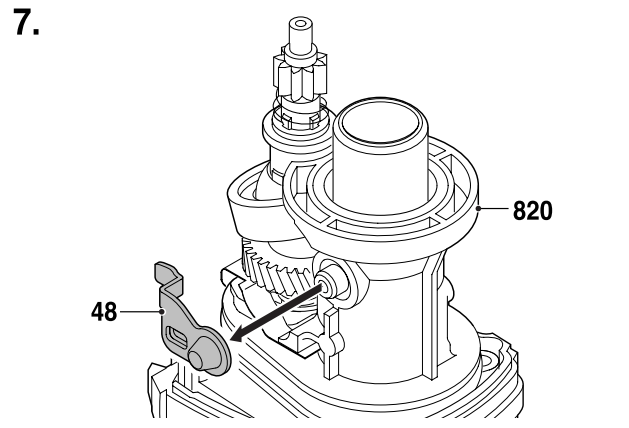
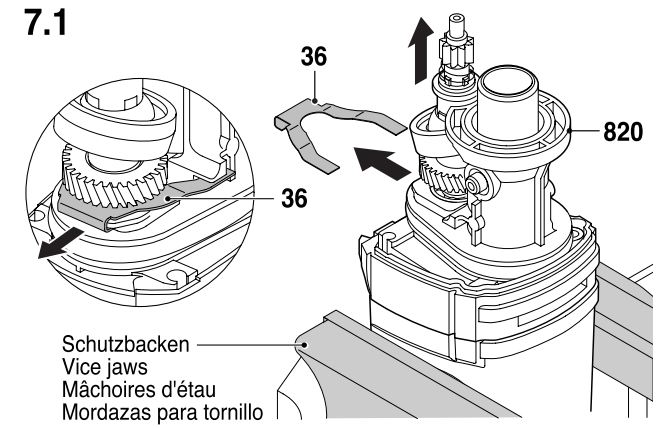
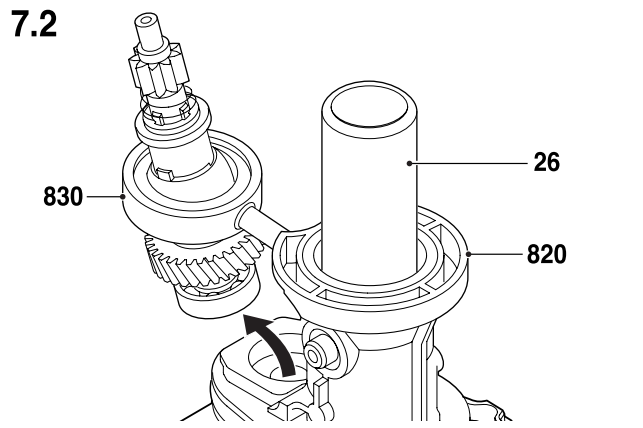
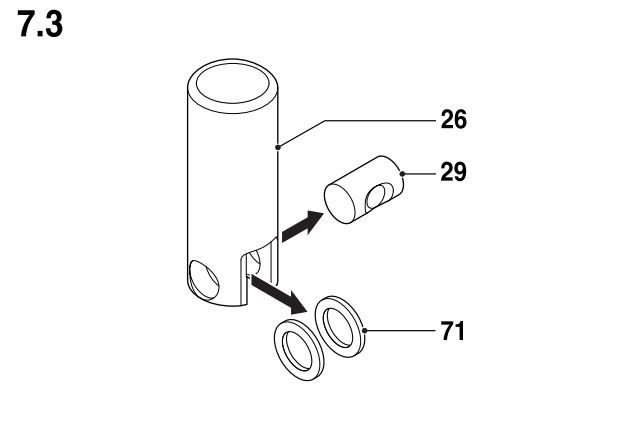
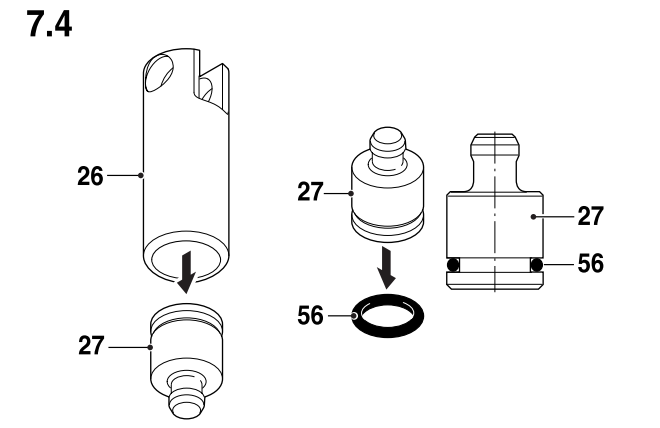
6.1

Ausrastmoment der Sicherheitskupplung prüfen
Check release torque of safety clutch.
Controler le moment de désaccouplement
de l'accouplement de sécurité.
Comprobar el par de desenclavamiento
del embrague de seguridad



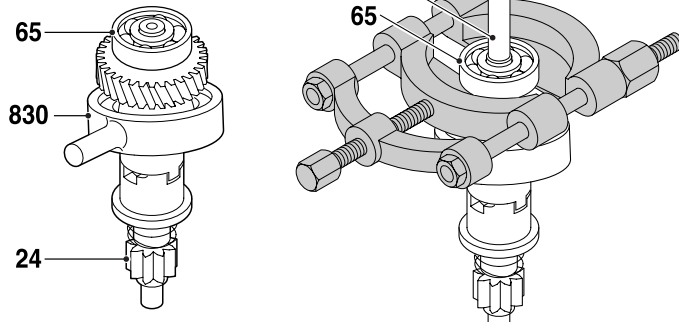
6.2



6.3**6.4****6.5****6.6****7.****7.1****7.2****7.3****7.4**

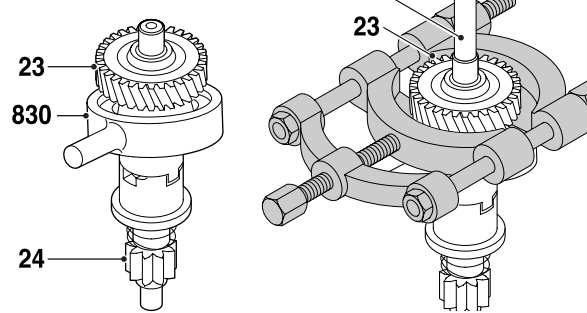
7.5

Montagedorn
Mounting pin
Arbre de montage
Punzón de montaje

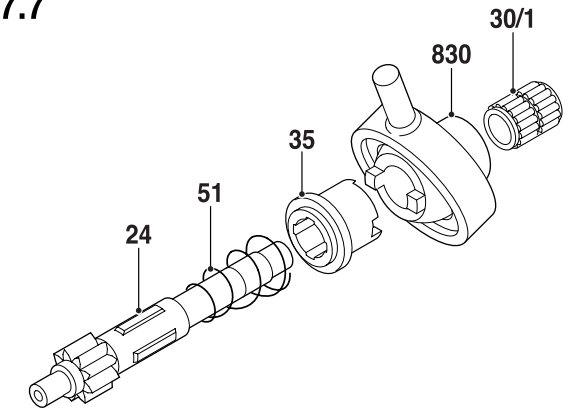


7.6

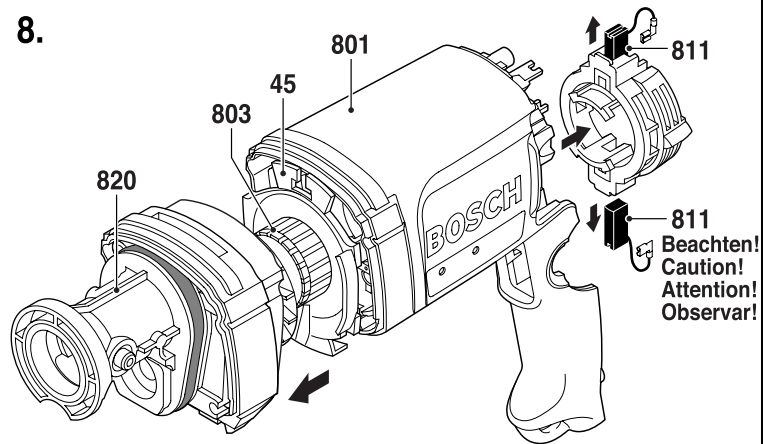
Montagedorn
Mounting pin
Arbre de montage
Punzón de montaje



7.7

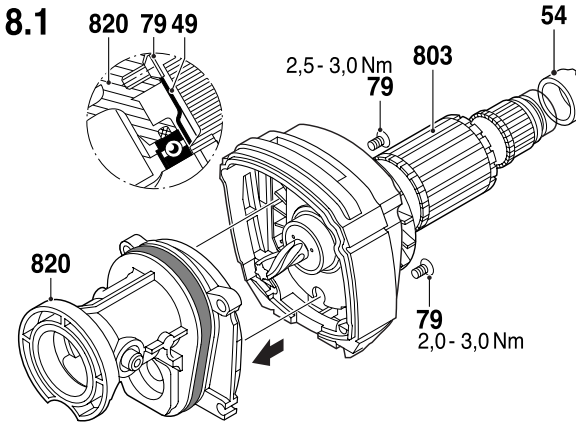


8.

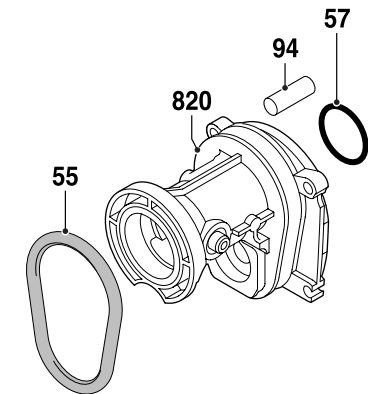


811
Beachten!
Caution!
Attention!
Observer!

8.1

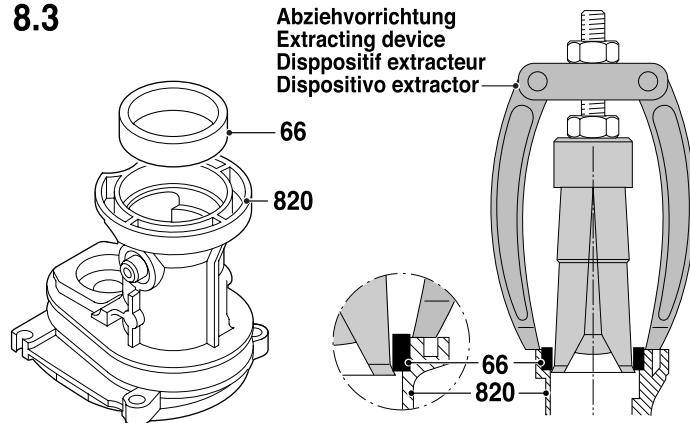


8.2

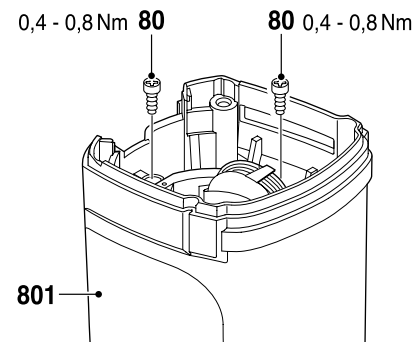


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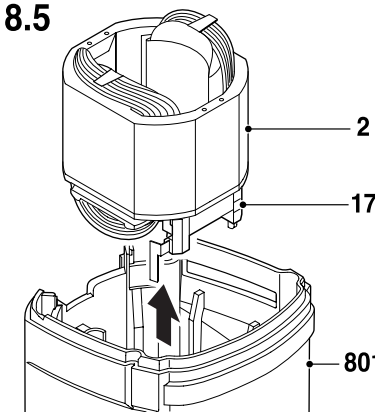
Abziehvorrichtung
Extracting device
Dispositif extracteur
Dispositivo extractor



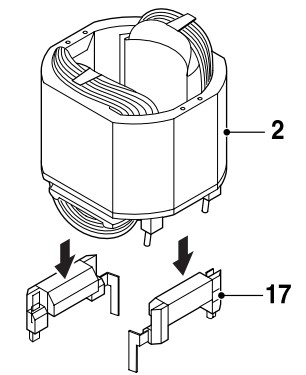
8.4



8.5



8.6



Zusammenbau

Montage nach Explosionszeichnung und diesem Instandsetzungshinweis.

Alle Teile sind gereinigt, abgenutzte und beschädigte Teile werden ersetzt.

Nur Original-Ersatzteile verwenden.

Zähne aller Zahnräder mit Fett **1 615 430 001** bestreichen.

Bitte Schmierhinweise beachten!

Assembly

Assembly using explosion drawings and these repair instructions!

Clean all parts, replace worn-out and damaged parts.

Use only original spare parts!

Grease all gear teeth **1 615 430 001**.

Please note lubrication instructions!

Montage

Le montage s'effectue selon la vue éclatée et les instructions de réparation suivantes.

Toutes les pièces sont nettoyées, les pièces usées ou endommagées doivent être remplacées par des nouvelles. Pour le remplacement de pièces, n'utiliser que des pièces d'origine.

Les dents graisser **1 615 430 001**.

Respecter les instructions de graissage!

Montaje

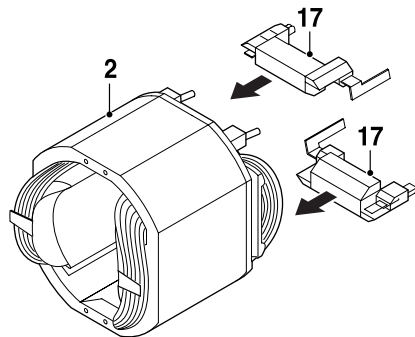
Realizar el montaje conforme a los dibujos en perspectiva y a estas instrucciones de reparación.

Todas las piezas deben estar limpias. Las piezas desgastadas o danadas deben reemplazarse por piezas nuevas. Utilizar solamente piezas de repuesto originales.

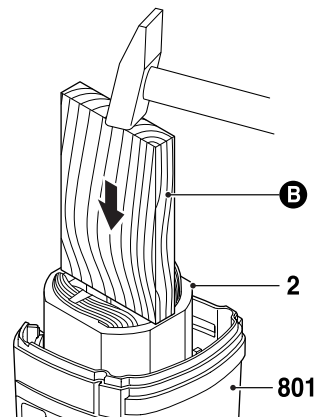
Dientes engrasar **1 615 430 001**.

Observar las instrucciones de lubricación!

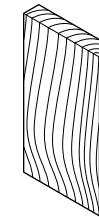
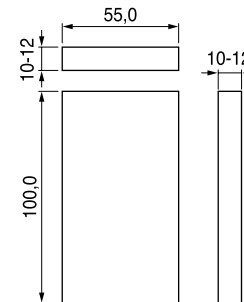
21.



21.1

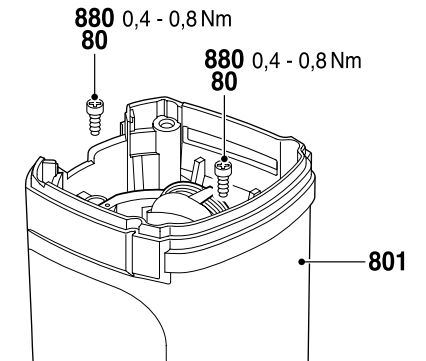


B Hilfswerkzeug zum Selbstanfertigen
Auxiliary tool (for your own manufacture)
Outil auxiliaire (fabrication locale)
Utile (fabricación particular)

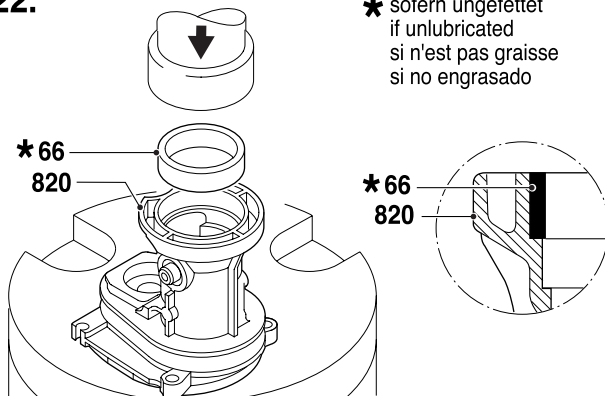


Maße in mm
Dimensions in mm
Cotes en mm
Medidas en mm

21.2



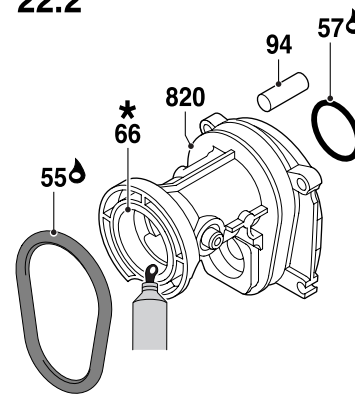
22.



* sofern ungefettet
if unlubricated
si n'est pas graisse
si no engrasado

* 66
820

22.2




* sofern ungefettet
if unlubricated
si n'est pas graisse
si no engrasado

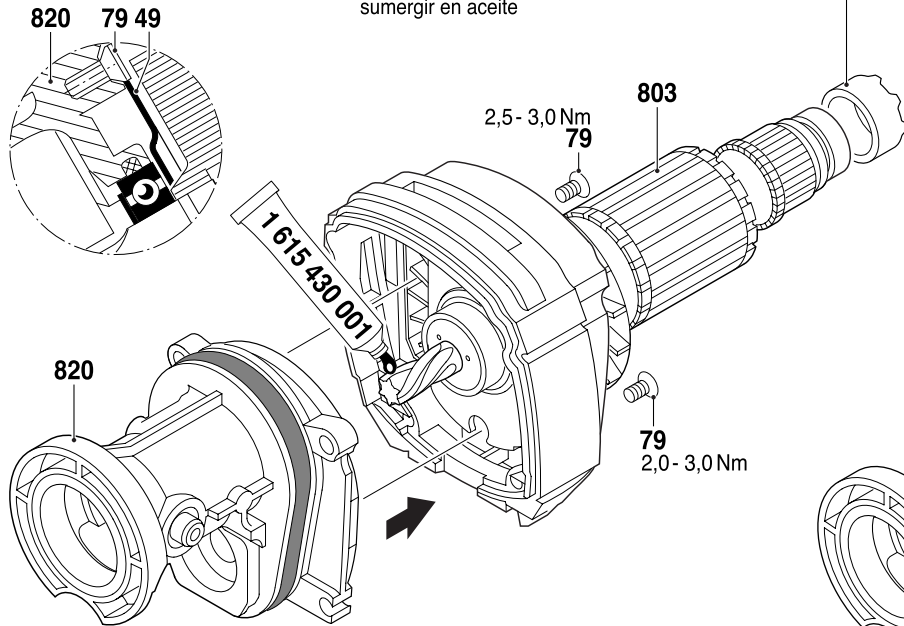
in Öl tauchen
insert in oil
le plonger dans l'huile
sumergir en aceite

1 615 430 020

Gleitflächen einstreichen
Lubricate sliding surfaces
Enduire les parties mouvantes
engrasar las piezas movibles

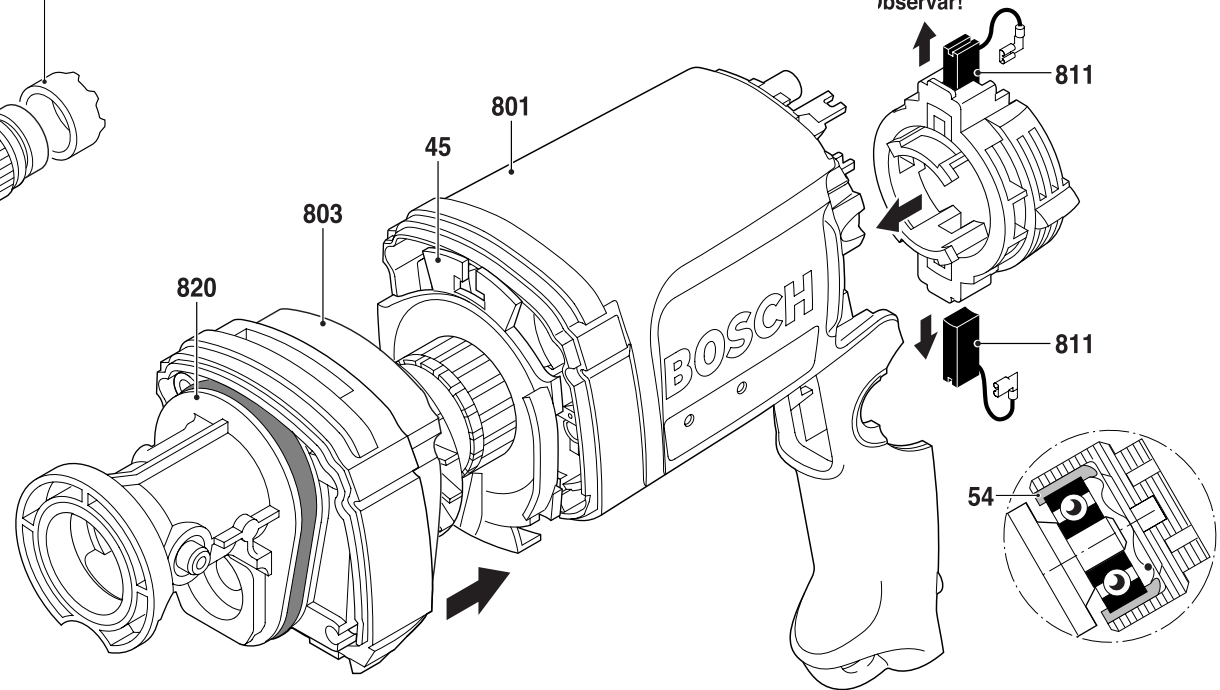
23.

 in Öl tauchen
insert in oil
le plonger dans l'huile
sumergir en aceite



23.1

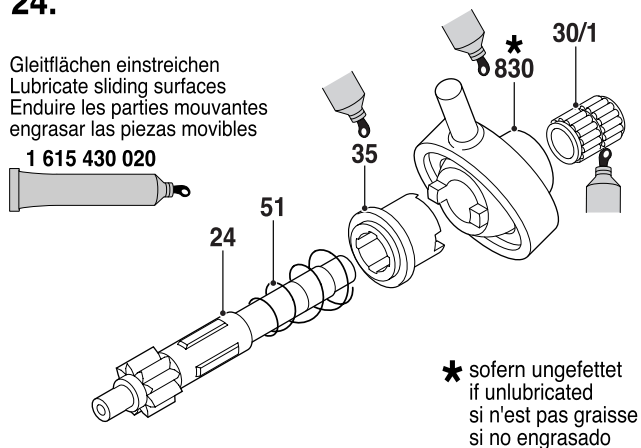
Beachten!
Caution!
Observar!



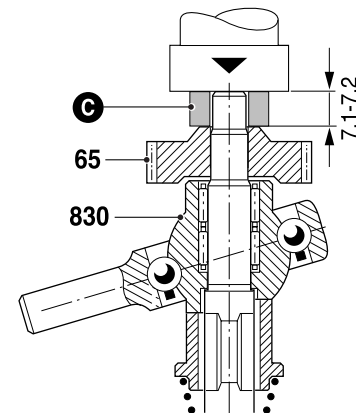
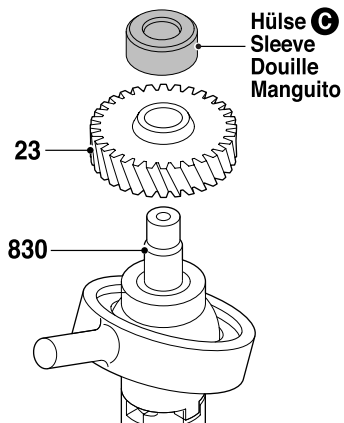
24.

Gleitflächen einstreichen
Lubricate sliding surfaces
Enduire les parties mouvantes
engrasar las piezas móviles

1 615 430 020

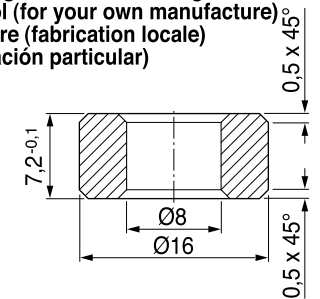


24.1



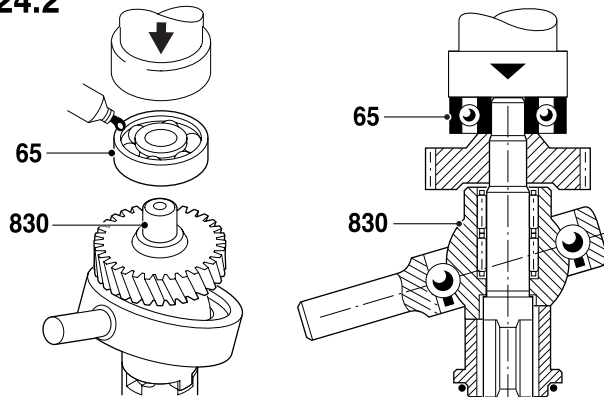
Hilfswerkzeug zum Selbstanfertigen
Auxiliary tool (for your own manufacture)
Outil auxiliaire (fabrication locale)
Utile (fabricación particular)

Hülse 
Sleeve
Douille
Manguito

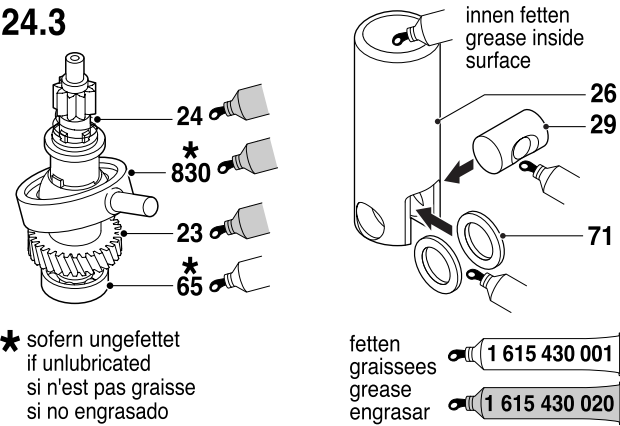


Maße in mm / Dimensions in mm
Cotes en mm / Medidas en mm

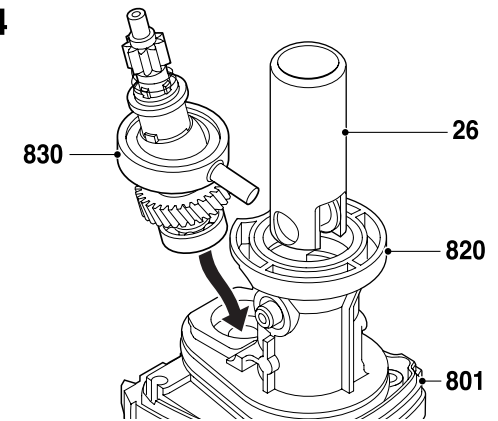
24.2



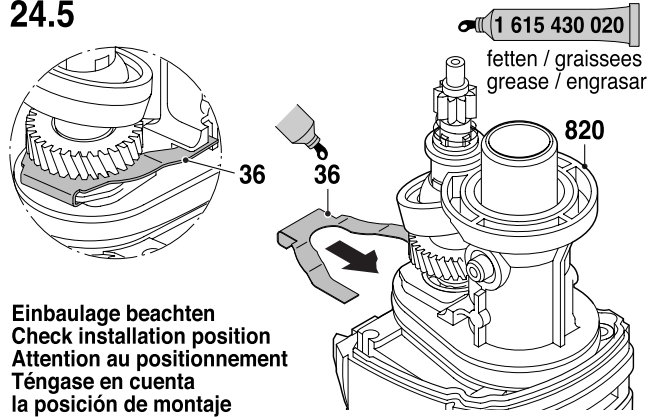
24.3



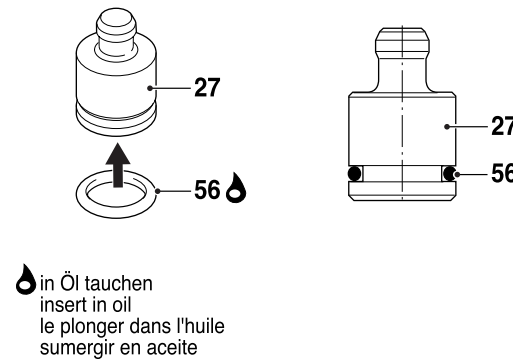
24.4



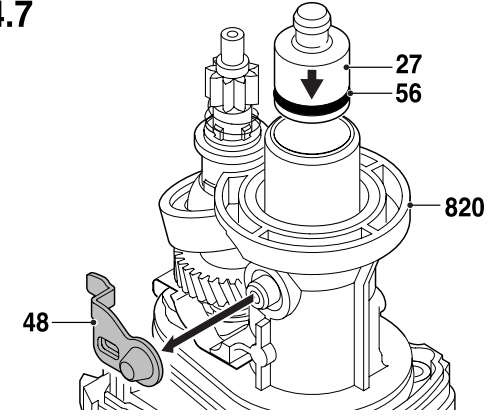
24.5



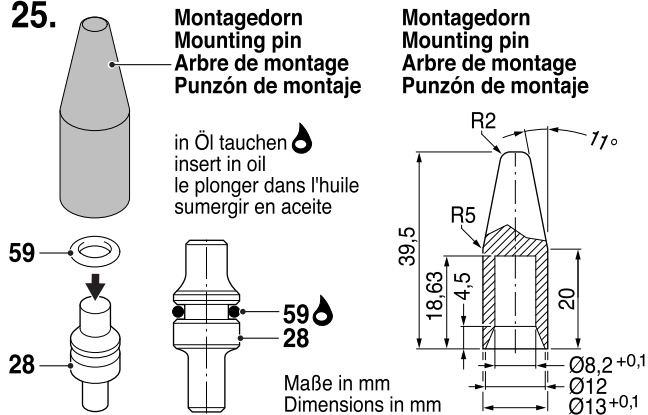
24.6



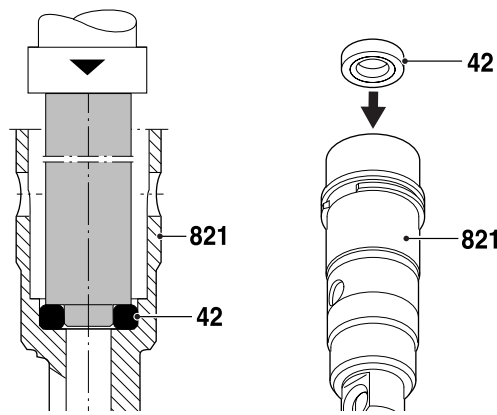
24.7



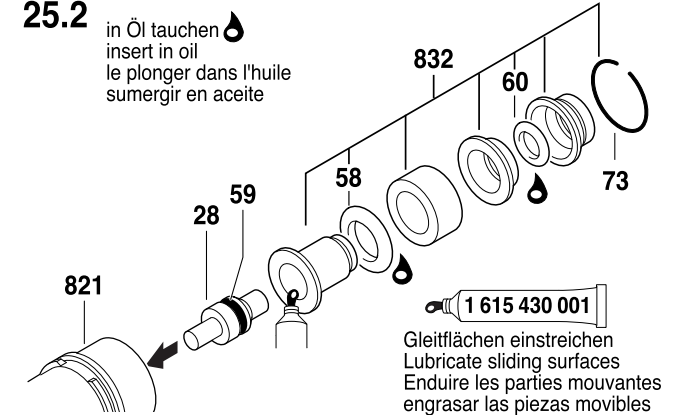
25.



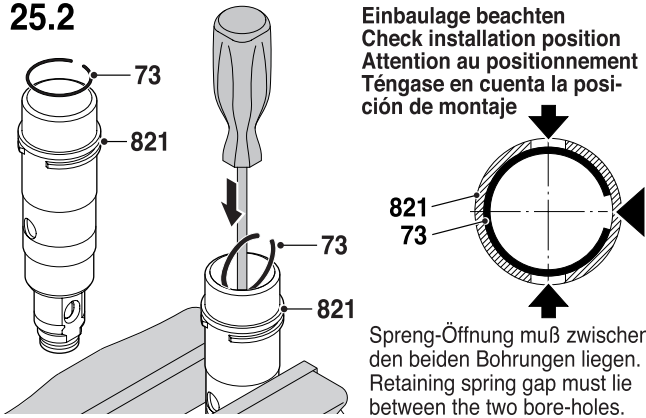
25.1



25.2



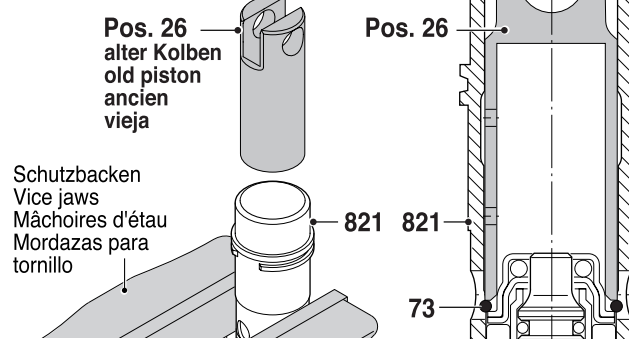
25.2



Einbaulage beachten
Check installation position
Attention au positionnement
Téngase en cuenta la posición de montaje

Spreng-Öffnung muß zwischen den beiden Bohrungen liegen.
Retaining spring gap must lie between the two bore-holes.

25.3



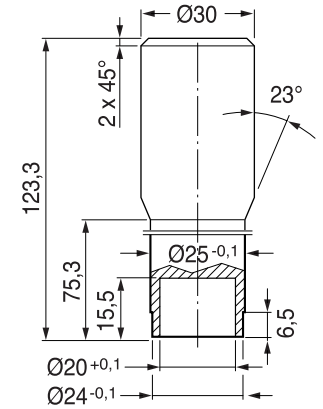
Pos. 26
alter Kolben
old piston
ancien
vieja

Schutzbacken
Vice jaws
Mâchoires d'étau
Mordazas para tornillo

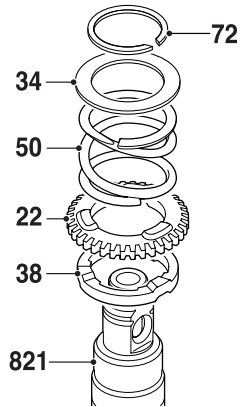
Hilfswerkzeug zum Selbstanfertigen / Auxiliary tool (for your own manufacture)
Outil auxiliaire (fabrication locale)
Utile (fabricación particular)

Montagedorn **D**
Mounting pin
Arbre de montage
Punzón de montaje

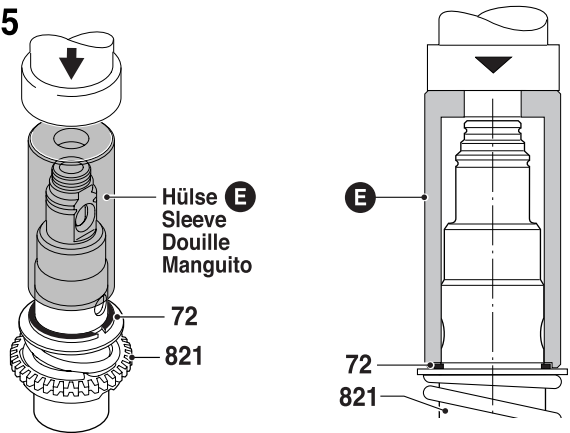
Maße in mm
Dimensions in mm
Cotes en mm
Medidas en mm



25.4



25.5

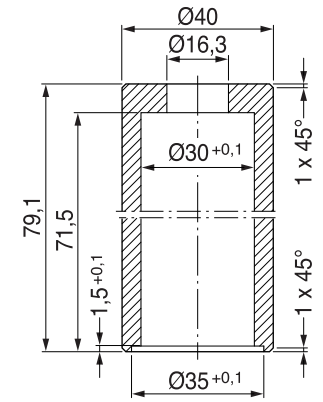


Hülse **E**
Sleeve
Douille
Manguito

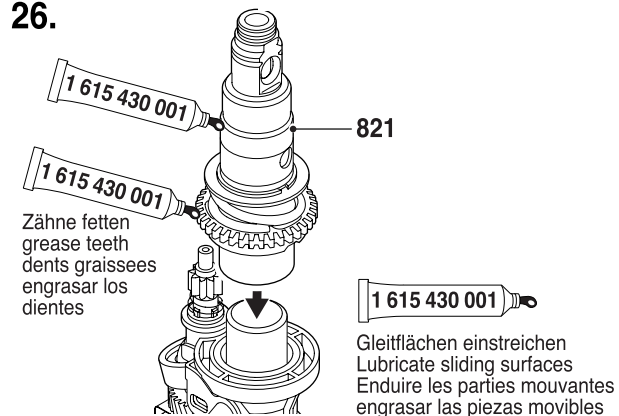
Hilfswerkzeug zum Selbstanfertigen / Auxiliary tool (for your own manufacture)
Outil auxiliaire (fabrication locale)
Utile (fabricación particular)

Hülse **E**
Sleeve
Douille
Manguito

Maße in mm
Dimensions in mm
Cotes en mm
Medidas en mm



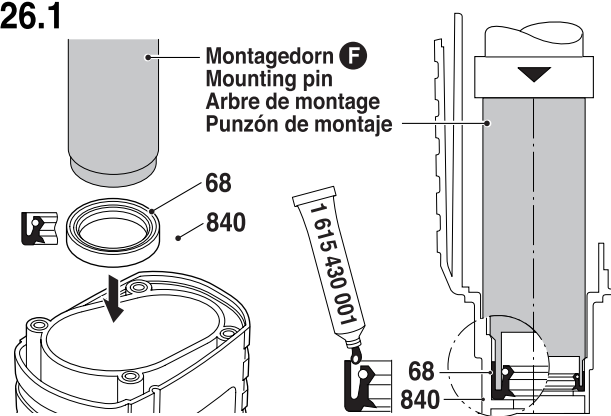
26.



Zähne fetten
grease teeth
dents graissées
engrasar los dientes

Gleitflächen einstreichen
Lubricate sliding surfaces
Enduire les parties mouvantes
engrasar las piezas móviles

26.1

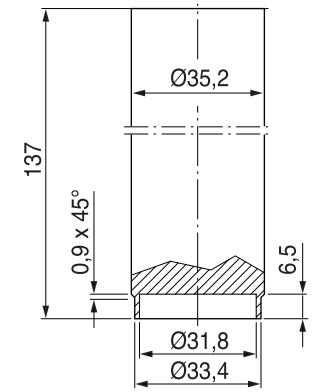


Montagedorn **F**
Mounting pin
Arbre de montage
Punzón de montaje

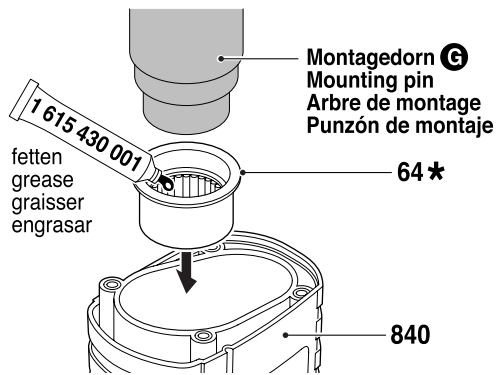
Hilfswerkzeug zum Selbstanfertigen / Auxiliary tool (for your own manufacture)
Outil auxiliaire (fabrication locale)
Utile (fabricación particular)

Montagedorn **F**
Mounting pin
Arbre de montage
Punzón de montaje

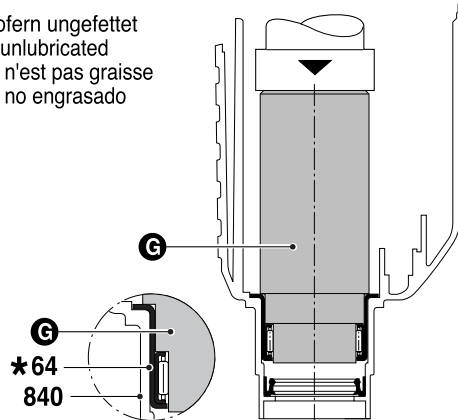
Maße in mm
Dimensions in mm
Cotes en mm
Medidas en mm



26.2



* sofern ungefettet
if unlubricated
si n'est pas graisse
si no engrasado

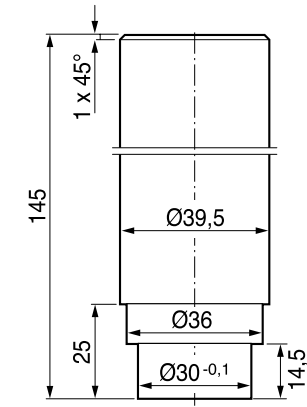


26.3

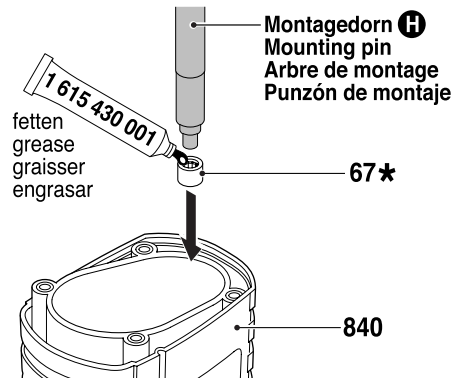
Hilfswerkzeug zum Selbst-
anfertigen / Auxiliary tool
(for your own manufacture)
Outil auxiliaire
(fabrication locale)
Utile (fabricación particular)

Montagedorn **G**
Mounting pin
Arbre de montage
Punzón de montaje

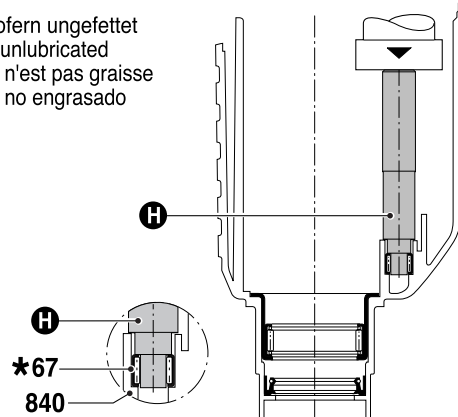
Maße in mm
Dimensions in mm
Cotes en mm
Medidas en mm



26.4



* sofern ungefettet
if unlubricated
si n'est pas graisse
si no engrasado

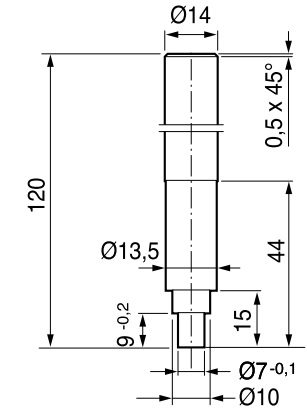


26.5

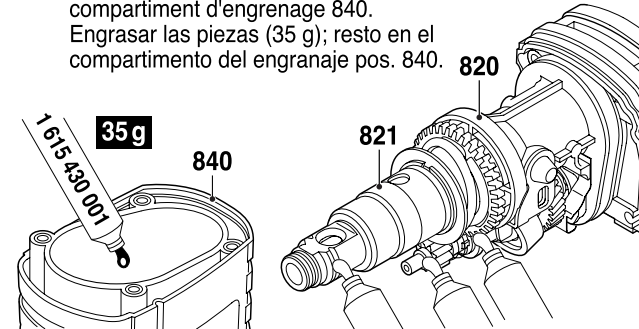
Hilfswerkzeug zum Selbst-
anfertigen / Auxiliary tool
(for your own manufacture)
Outil auxiliaire
(fabrication locale)
Utile (fabricación particular)

Montagedorn **H**
Mounting pin
Arbre de montage
Punzón de montaje

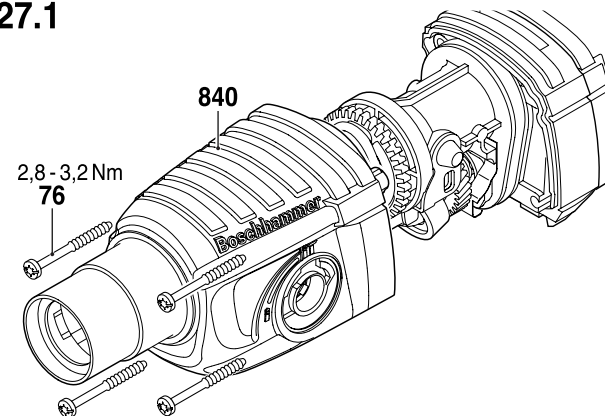
Maße in mm
Dimensions in mm
Cotes en mm
Medidas en mm



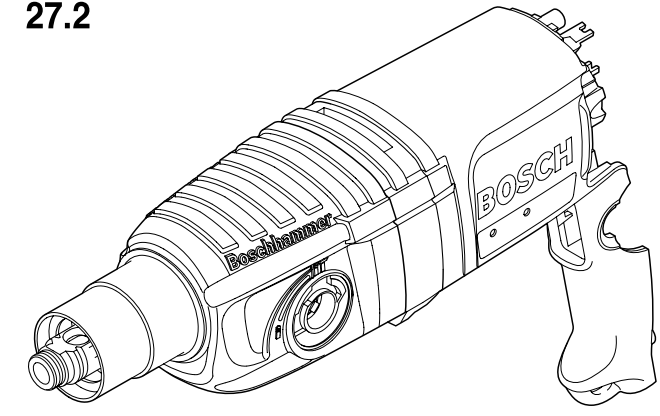
27. Teile fetten (35 g); Rest in Getrieberaum Pos. 840.
Grease the parts (35 g); rest into gear compartment pos. 840.
Graisser les pieces (35 g); la graisse restante dans le
compartiment d'engrenage 840.
Engrasar las piezas (35 g); resto en el
compartimento del engranaje pos. 840.



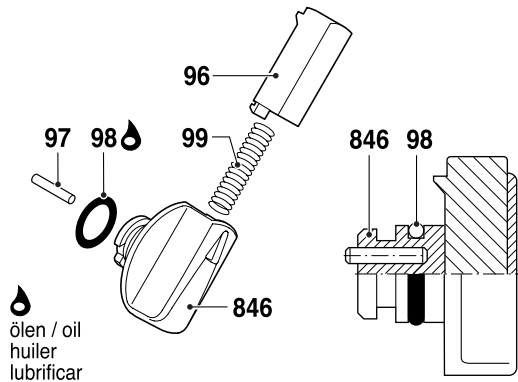
27.1



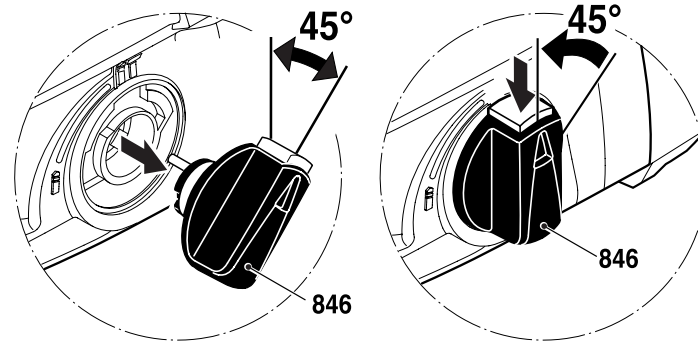
27.2



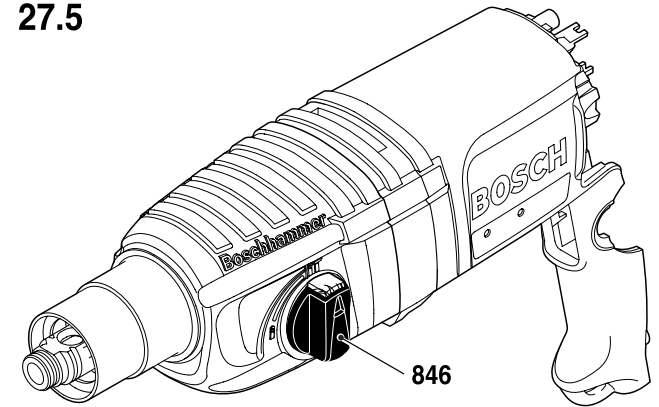
27.3



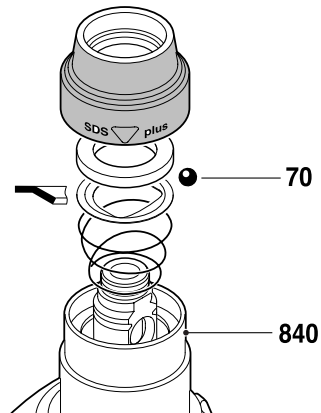
27.4



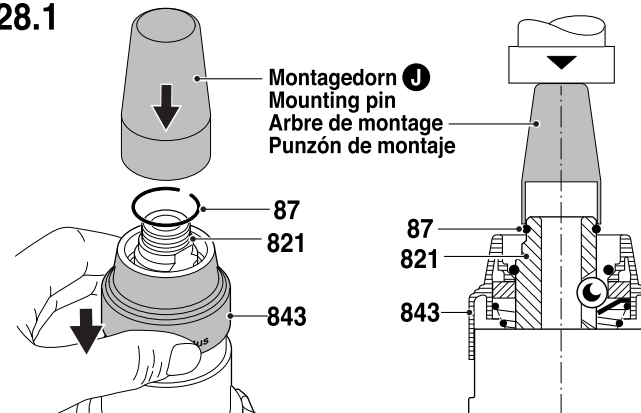
27.5



28.

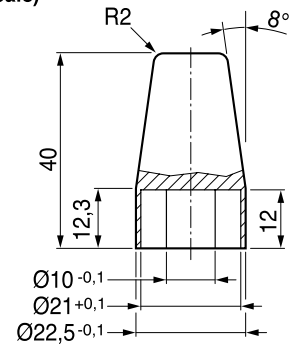


28.1



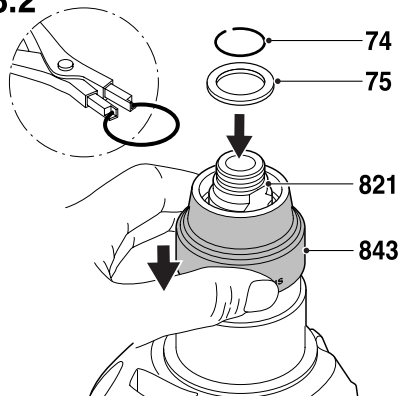
Hilfswerkzeug zum Selbstanfertigen
 Auxiliary tool (for your own manufacture)
 Outil auxiliaire (fabrication locale)
 Utile (fabricación particular)

Montagedorn Ⓜ
 Mounting pin
 Arbre de montage
 Punzón de montaje

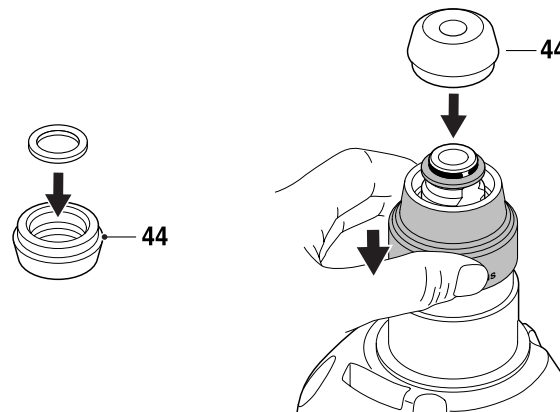


Maße in mm
 Dimensions in mm
 Cotes en mm
 Medidas en mm

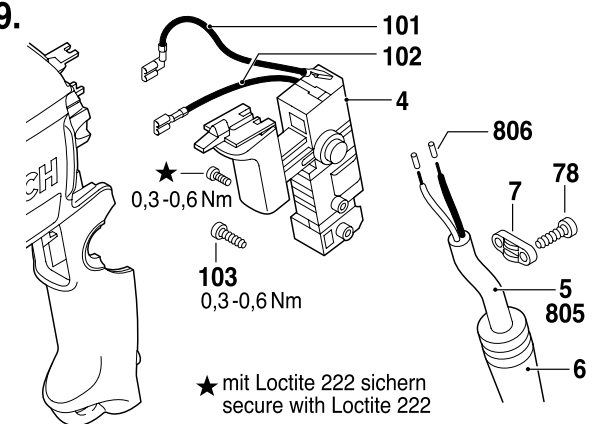
28.2



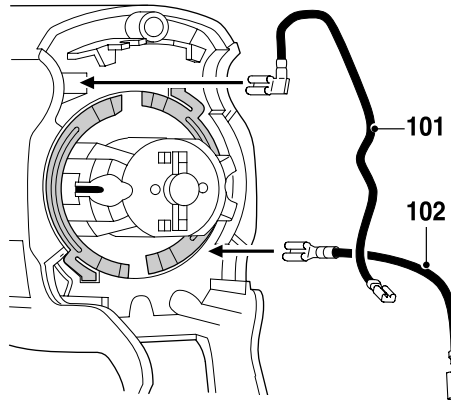
28.3



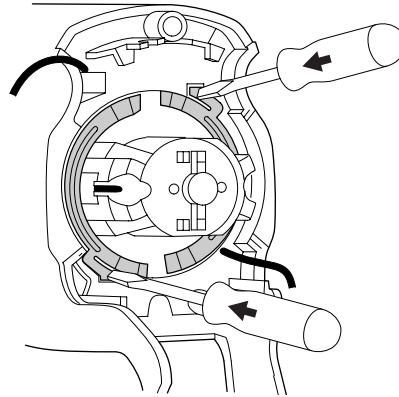
29.



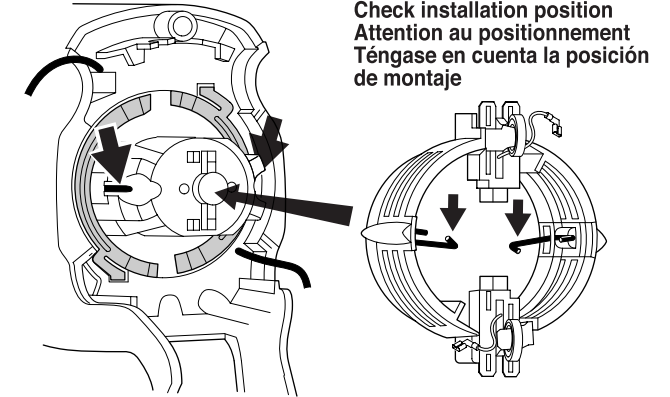
29.1



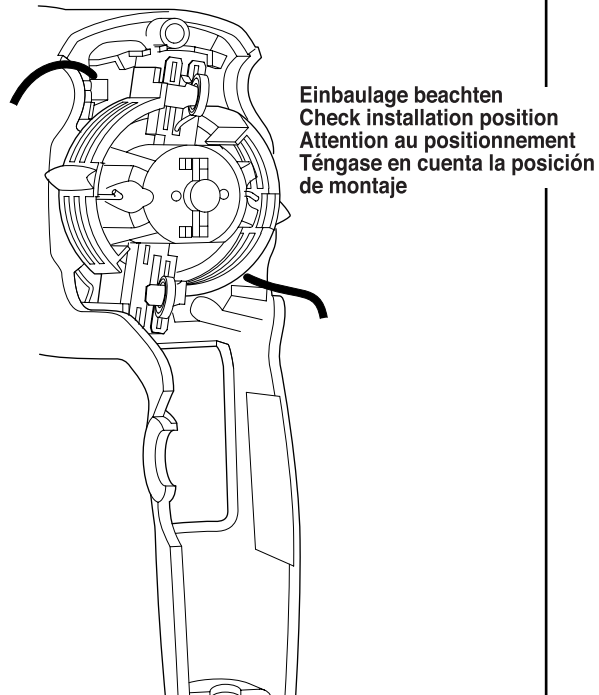
29.2



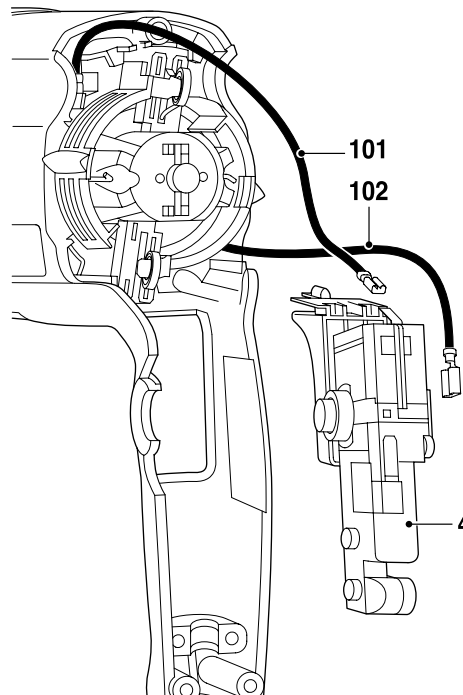
29.3



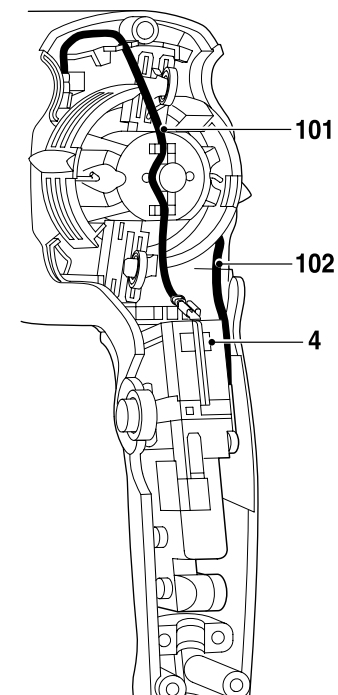
29.4



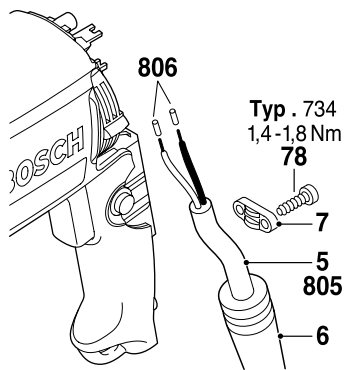
29.5



29.6

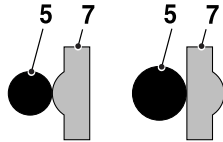


30.

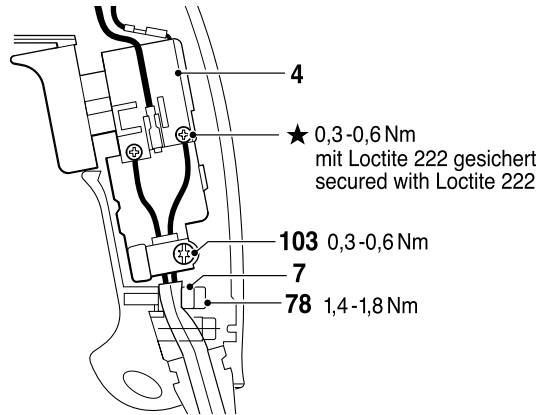


Einbaulage beachten
 Check installation position
 Attention au positionnement
 Téngase en cuenta la posición
 de montaje

Typ. 734
 1,4-1,8 Nm
 78



30.1



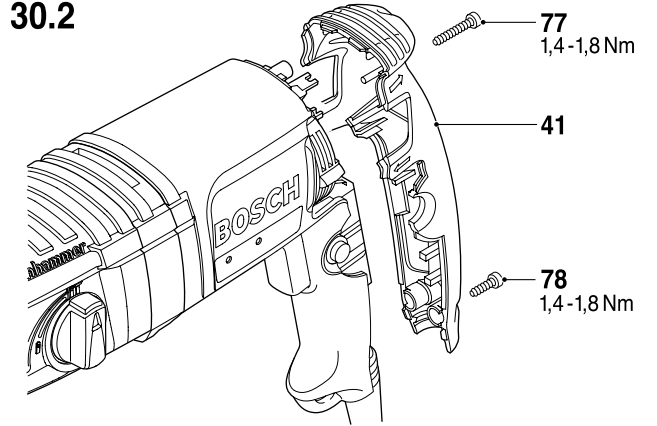
★ 0,3-0,6 Nm
 mit Loctite 222 gesichert
 secured with Loctite 222

103 0,3-0,6 Nm

7

78 1,4-1,8 Nm

30.2

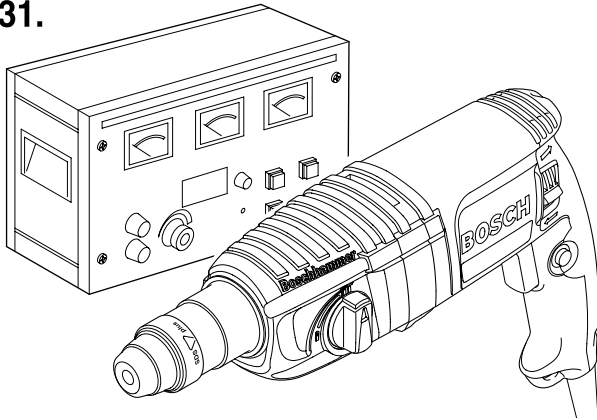


77
 1,4-1,8 Nm

41

78
 1,4-1,8 Nm

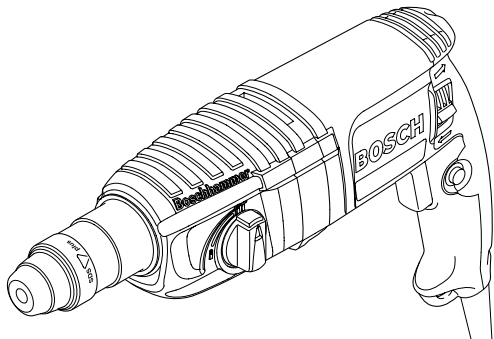
31.



31. Hochspannungsprüfung durchführen.
Beachten:
 Die Sicherheitsvorschriften nach DIN, VDE, CEE, AFNOR und weitere in den einzelnen Ländern gültigen Vorschriften sind einzuhalten.
31. Carry out power supply check.
Attention:
 Safety regulations according to DIN, VDE, CEE, AFNOR and further regulations applicable in individual countries must be observed.

31. Effectuer un contrôle à haute tension.
Attention:
 Respecter les instructions de sécurité selon DIN, VDE, CEE, AFNOR et les autres instructions valables dans les pays respectifs.
31. Efectuar la prueba de alta tensión.
Atención:
 Atenerse a las prescripciones de seguridad según DIN, VDE, CEE, AFNOR y a las prescripciones adicionales específicas que pudieran existir en los respectivos países.

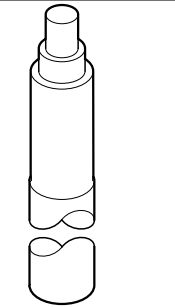
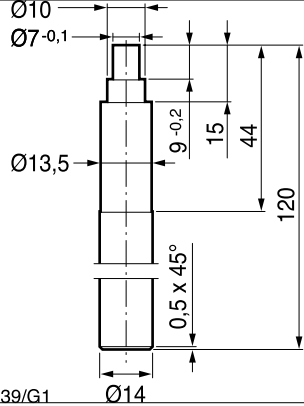
32.



32. Probelauf, Schlagtest, elektrische und mechanische Prüfung durchführen.
32. Perform test run, impact test, electrical and mechanical check-up.

32. Marche à titre d'essai, contrôle de frappe et depercage, effectuer un contrôle mécanique et électrique.
32. Realizar un control funcional, una prueba de taladrado con y sin percusión y los ensayos eléctricos y mecánicos correspondientes.

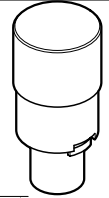
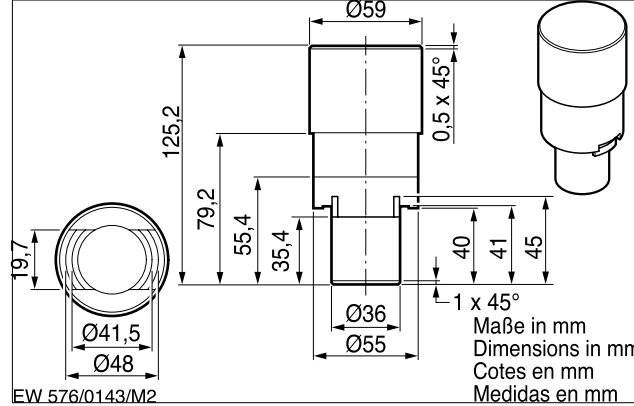
(Getriebegeh.) Nadelhülse Pos. 67 einpressen



Maße in mm
Dimensions in mm
Cotes en mm
Medidas en mm

EW 576/0139/G1

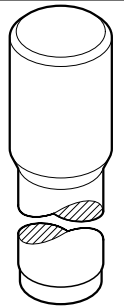
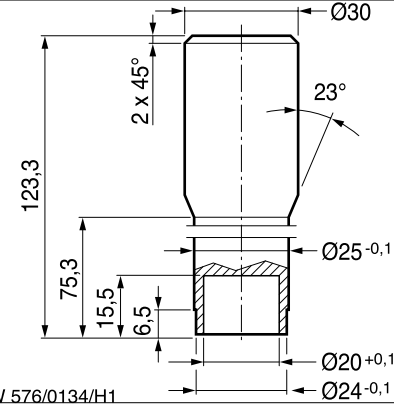
(Motorgeh.) Polschuh Pos. 2 incl. Pos. 17 einpressen



Maße in mm
Dimensions in mm
Cotes en mm
Medidas en mm

EW 576/0143/M2

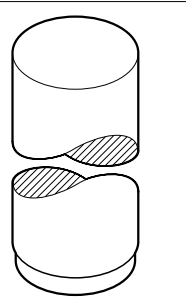
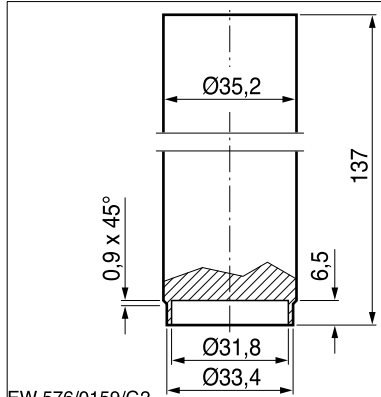
(Hammerrohrgruppe) Sprengring Pos. 73 montieren



Maße in mm
Dimensions in mm
Cotes en mm
Medidas en mm

EW 576/0134/H1

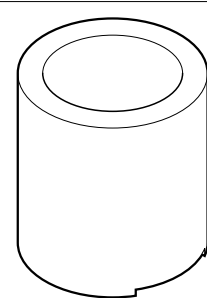
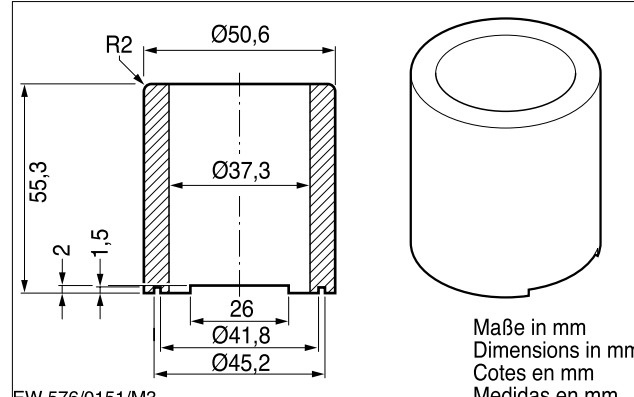
(Getriebegeh.) Wellendichtring Pos. 66 einpressen



Maße in mm
Dimensions in mm
Cotes en mm
Medidas en mm

EW 576/0159/G2

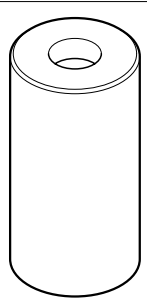
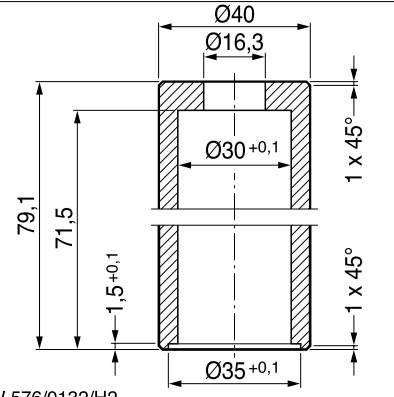
(Motorgeh.) Einpressen der Schlatkontakte Pos. 19



Maße in mm
Dimensions in mm
Cotes en mm
Medidas en mm

EW 576/0151/M3

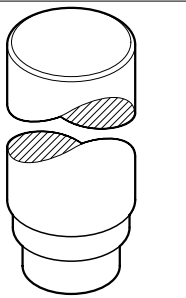
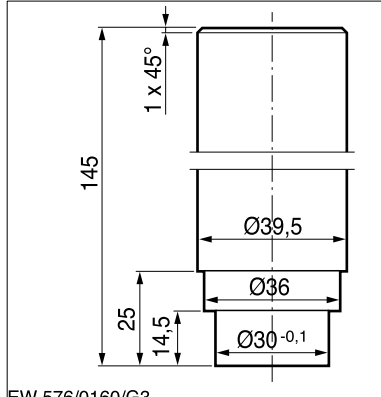
(Hammerrohrgruppe) Sprengring 72 und Sicherungsring 35 mon.



Maße in mm
Dimensions in mm
Cotes en mm
Medidas en mm

EW 576/0132/H2

(Getriebegeh.) Nadellager Pos. 64 einpressen

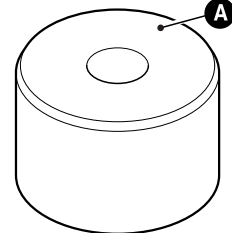
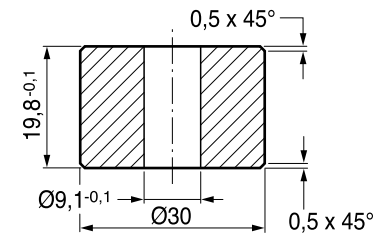


Maße in mm
Dimensions in mm
Cotes en mm
Medidas en mm

EW 576/0160/G3

Vorderes Ankerlager Pos. 14 Aufpressen

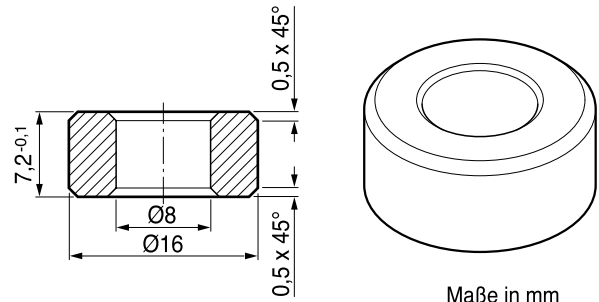
A Hilfswerkzeug zum Selbstanfertigen
Auxiliary tool (for your own manufacture)
Outil auxiliaire (fabrication locale)
Utile (fabricación particular)



Maße in mm
Dimensions in mm
Cotes en mm
Medidas en mm

EW 576/0133/A4

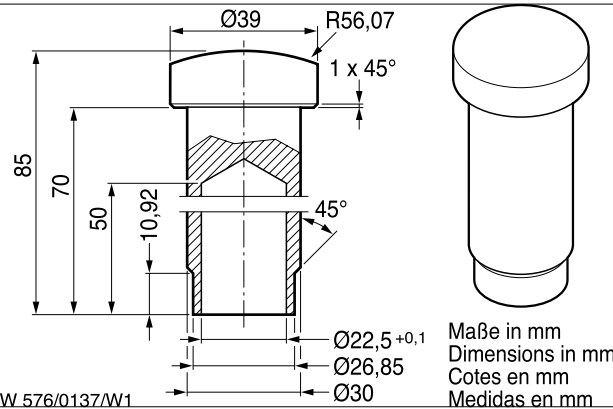
Stirnrad Pos. 23 aufpressen



Maße in mm
Dimensions in mm
Cotes en mm
Medidas en mm

EW 576/0155/Z1

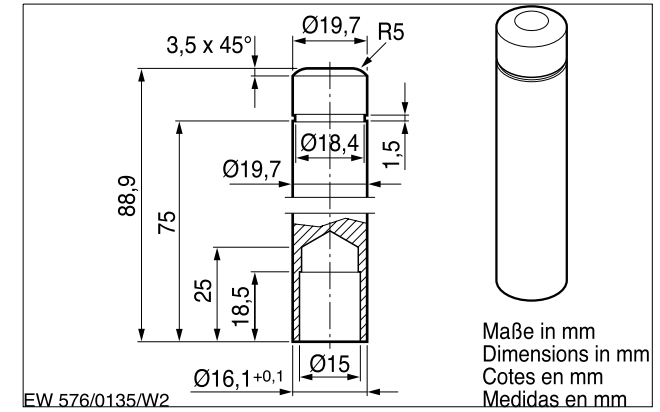
Sprengung Pos. 87 montieren



Maße in mm
Dimensions in mm
Cotes en mm
Medidas en mm

EW 576/0137/W1

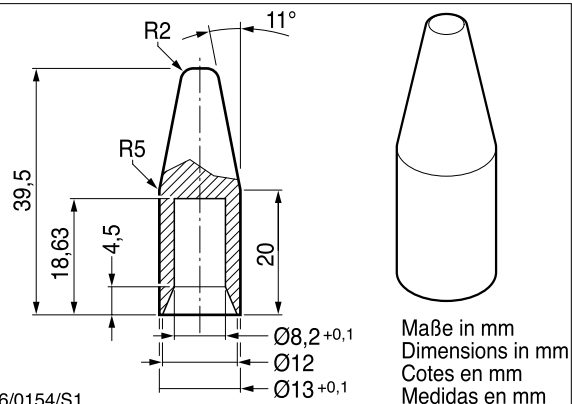
Sprengung Pos. 74 montieren



Maße in mm
Dimensions in mm
Cotes en mm
Medidas en mm

EW 576/0135/W2

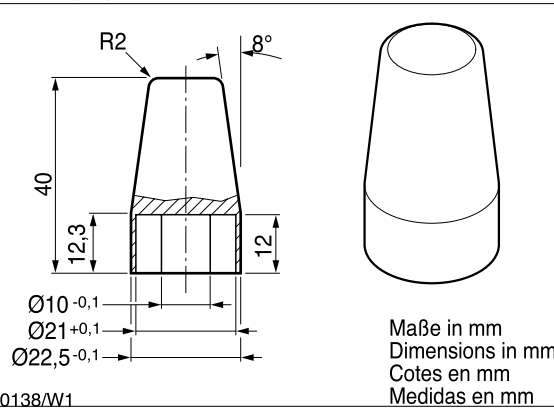
Abstreifer Pos. 59 montieren



Maße in mm
Dimensions in mm
Cotes en mm
Medidas en mm

EW 576/0154/S1

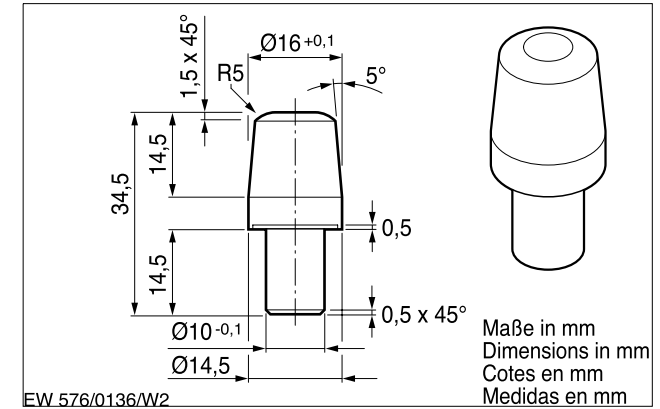
Sprengung Pos. 87 montieren



Maße in mm
Dimensions in mm
Cotes en mm
Medidas en mm

EW 576/0138/W1

Sprengung Pos. 74 montieren



Maße in mm
Dimensions in mm
Cotes en mm
Medidas en mm

EW 576/0136/W2

**Schmierung
Lubrication
Lubrification
Lubricacion**

3 611 B50 500 = GBH 2-23 REA

Änderungen vorbehalten
Modifications reserved
Modifications réservées
Salvo modificaciones

Teile fetten (35 g); Rest in Getrieberaum Pos. 840.
Grease the parts (35 g); rest into gear compartment pos. 840.
Graisser les pieces (35 g); la graisse restante dans le compartiment d'engrenage 840.
Engrasar las piezas (35 g); resto en el compartimento del engranaje pos. 840.

Fett-Gesamtmenge 40g

Zahnäder-Zähne fetten mit 1 615 430 001
Grease all gear teeth
Les dents graisser
Dientes engrasar

