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## SC33/SC52635 SPRING COMPRESSOR

BRUKSANVISNING • BRUGSANVISNING • KÄYTTÖOHJE • OPERATING INSTRUCTIONS

GEBRAUCHANWEISUNG • MODE D'EMPLOI • GEBRUIKSAANWIJZING

ISTRUZIONI PER L'USO • INSTRUCCIONES DE USO • INSTRUÇÕES DE USO

Thank you for the faith you have shown in us by choosing a REHOBOT product. REHOBOT stands for products of high quality and it is our hope that you will be able to use this product for many years.

To avoid functional disturbances, we recommend that you read these instructions thoroughly before using the product.

### Receiving instructions

Visually inspect all components for shipping damage. Shipping damage is not covered by warranty. If shipping damage is found, notify carrier at once. The carrier is responsible for all repair and replacement costs resulting from damage in shipment.

Read the warnings and instructions to prevent personal injury or damage to property. Take all appropriate safety precautions and wear suitable safety equipment, such as gloves, safety glasses, etc.

REHOBOT AB accepts no liability for injury or the consequences of using REHOBOT products without taking suitable safety precautions, using a product or system for the wrong application, or through inadequate maintenance. If in any doubt contact REHOBOT or an authorised REHOBOT dealer.

### Technical description (Fig. 1)

Hydraulic spring compressor tool designed for use together with exchangeable jaws.

Max. working pressure: 70 MPa (700 bar, 10150 psi)  
 Max. load: 33 kN (3.3 ton)  
 Compression length: 250 mm (9.8 in)  
 Overall tool length (max.): 850 mm (33.5 in)  
 Overall tool length (min.): 600 mm (23.6 in)  
 Weight (Jaws not included): 9,0 kg (19.8 lbs)  
 Stroke volume: 120 cm<sup>3</sup> (7.3 in<sup>3</sup>)

The tool is equipped with a quick coupling AQU11-SB with built in flow restriction. Push-to-connect quick coupling for easy connection to a hydraulic pump.

For safe use it is important to use jaws suited for the spring that shall be compressed.

Part no	Designation	Spring Ø	Weight*
52659	KL-9001-16 SP	55-120 mm	3,8 kg
52664	KL-9001-17 SP	85-155 mm	4,4 kg
52660	KL-9001-12 SP	105-170 mm	3,9 kg
52658	KL-9001-17 SP Volvo	85-155 mm	4,4 kg

\* Pair

### System construction

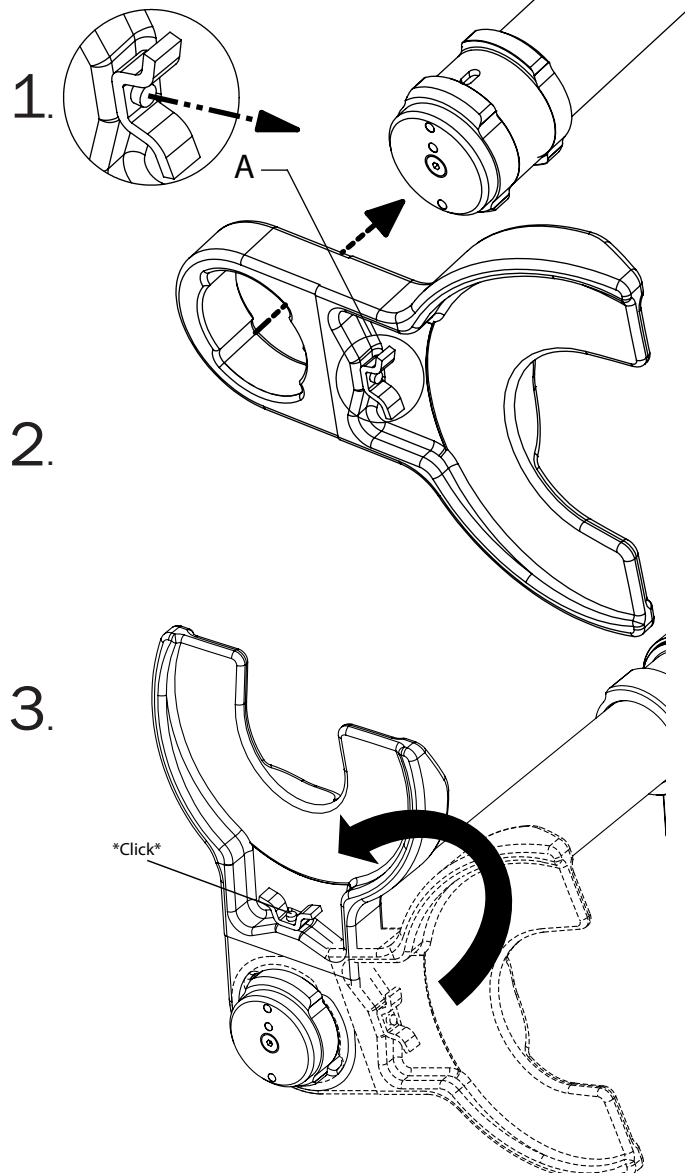
Always plan a hydraulic system by choosing products that are suitable for the task in hand. Check product limitations regarding pressure range, lifting capacity and compatibility. The maximum working pressure of the system must not exceed the maximum working pressure of any product in the system.

Make sure that all hydraulic hoses, connections, etc., are connected to the right connection port (pressure or return port) on the pump, ram, valve or other hydraulic component.

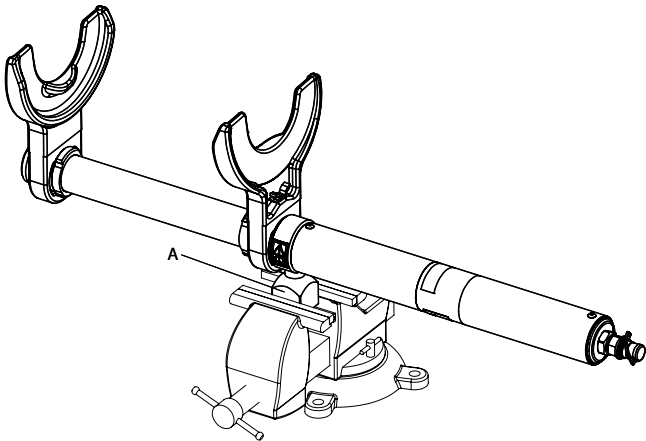
### Assembly of jaws

1. Lift the spring-loaded pin
2. Place the jaw on the side to slide in onto the tool
3. Lock the jaw in place with the spring-loaded pin in locking position

Removal of jaws is made in the reverse order.



The tool has a bracket (A), which makes it easy to fasten in a vise in various angles.



### Operating the tool

Connect the tool to a hydraulic pump. We recommend the use of a foot manoeuvred pump, which gives the mechanic both hands free for operating the tool.

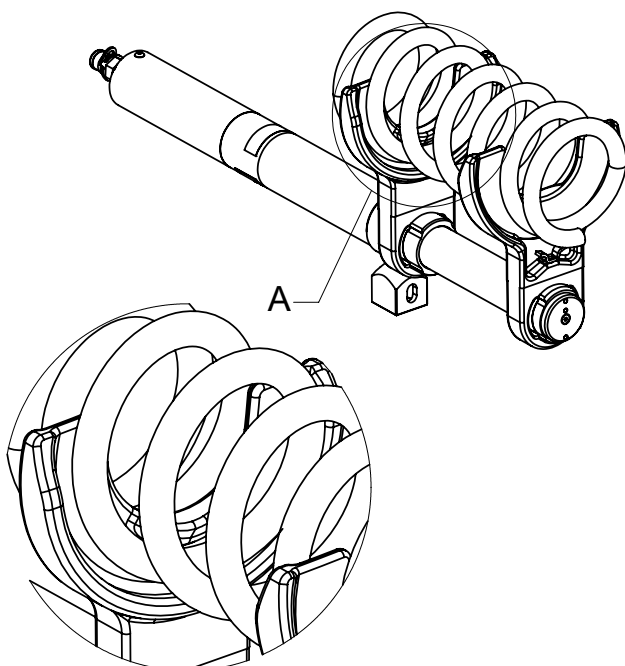
Operate the hydraulic pump until the desired compression of the spring obtained.



Always check that the jaws used is suited for the spring (this information can in most cases be supplied by the car manufacturer).

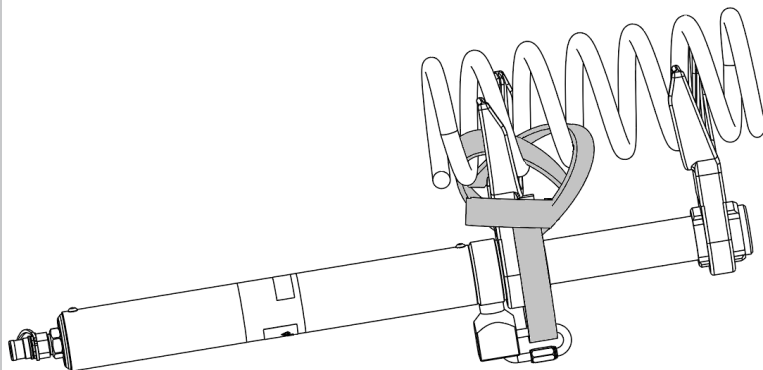
Never leave the tool unattended with a compressed spring.

Never disconnect tool from the pump when the hydraulic system is pressurised.

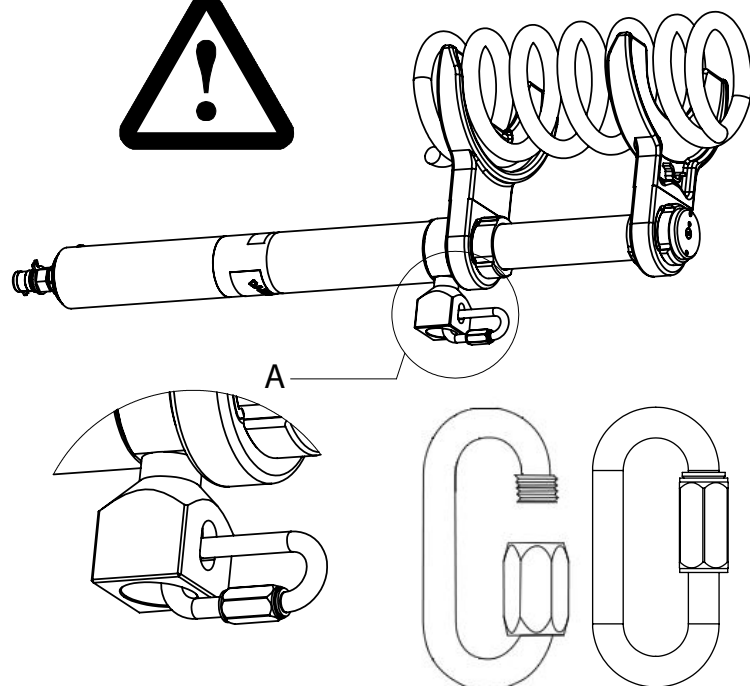


### Safety feature

The Spring compressor comes equipped with a quick link and safety strap. Always use the safety strap to prevent hazards if a compressed spring gets loose from the jaws during operation. Tighten the strap to rigid length.



Always close the quick link securing the safety strap. The quick link shall be attached to the bracket before use



**Service**

Bleeding the hydraulic system

Air can collect in the hydraulic system when hoses or tools are connected and this can lead to problems in operation. To bleed the system run the tool or ram through 3-4 cycles (pumping to full extension then releasing) without any load. At the same time make sure that the tool or ram is kept lower than the pump so that air can travel back to the oil reservoir in the pump. Then bleed the pump oil reservoir. Top up the pump with oil if necessary (for more information, see pump manual).

**Maintenance**

Hydraulic equipment must be serviced and maintained regularly to keep it in good working condition. For safety reasons it is important that hydraulic products are serviced and maintained by experienced personnel. If in any doubt, contact your dealer for information about the nearest authorised service agent.

Lubricate moving parts as necessary with a high quality grease. Always use high quality hydraulic oil with good low temperature properties.

**Storage**

When hydraulic equipment is not in use: Clean the equipment, make sure the hydraulic system is not pressurized and store it somewhere clean and free from damp. Make sure the equipment is not subject to extremes of temperature.

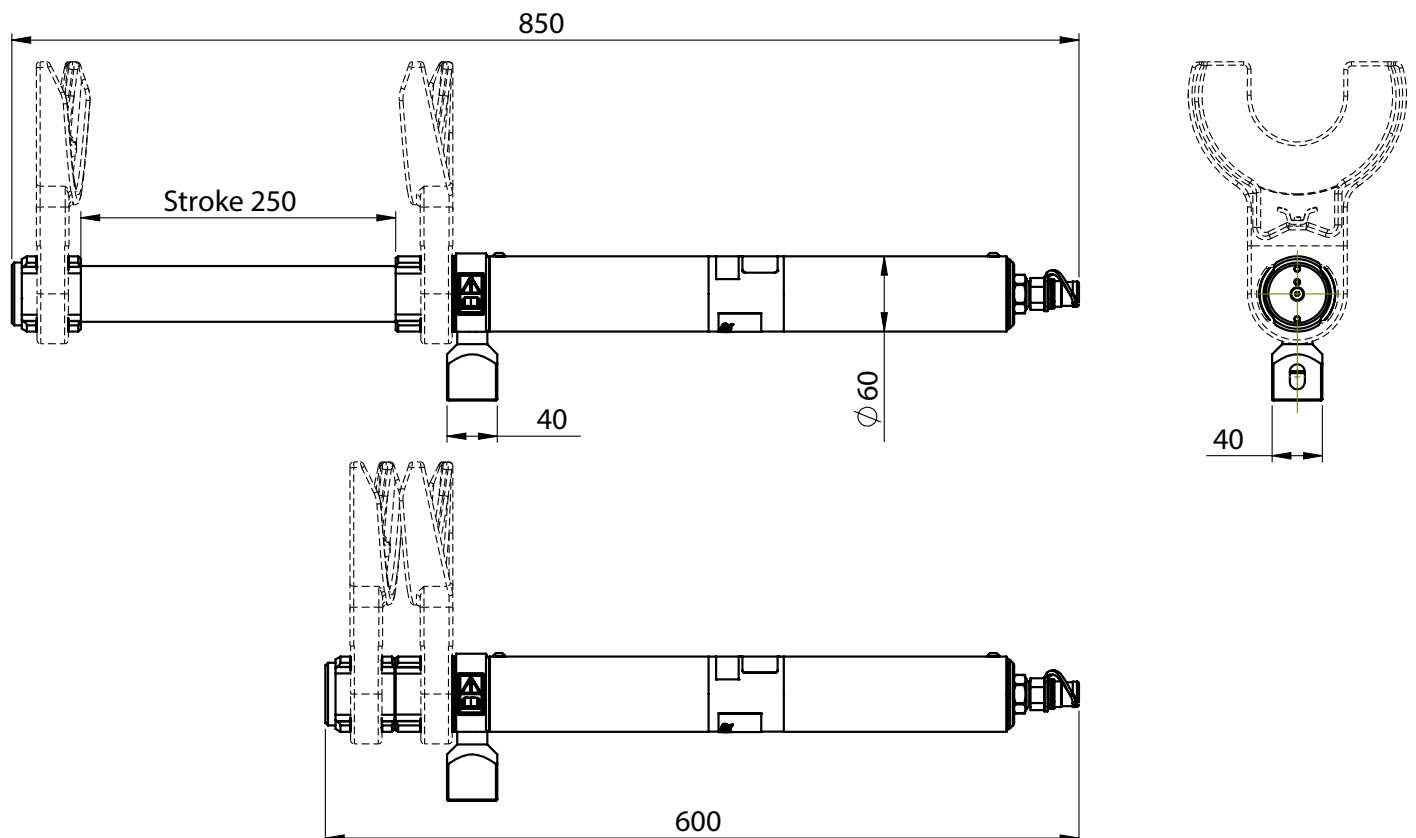
**Heat**

Avoid exposing hydraulic equipment to temperatures higher than 60°C. Heat can destroy gaskets and hoses.

**Recycling**

Hydraulic oil that is drained when servicing the jack must be collected and handled according to applicable environmental laws and regulations. The various parts can be recycled at the end of their service life. The unit consists of steel, hydraulic oil, rubber (seals), and plastic. Collect the hydraulic oil and dispose of it separately. The unit does not contain any pressurized components when released from load. For more information about recycling of this product, please contact the local authorities, your waste disposal service or your provider.

Fig. 1



We, REHOBOT Hydraulics AB  
address: Skjulstagatan 11A, Box 1107  
SE-63180 Eskilstuna, SWEDEN

in accordance with the **Machinery Directive 2006/42/EC Annex IIB**,  
hereby declare under our sole responsibility that for the partly completed machinery  
identified as:

Type: Hydraulic spring compressor  
Model: SC-series  
Designation: SC33, SC33-17, SC52635

the following Essential Health and Safety Requirements have been compiled with:

### ANNEX 1 of 2006/42/EC

- 1.1.2 Principles of safety integration
- 1.1.3 Materials and products
- 1.1.5 Design of machinery to facilitate its handling
- 1.1.6 Ergonomics
- 1.3.2 Risk of brake-up during operation
- 1.3.4 Risks due to surfaces, edges or angles
- 1.7.1 Information and warnings on the machinery

and is in conformity with the following standards:

**EN-ISO 12100:2010**

**EN-ISO 4413:2010**

*The partly completed machinery must not be put into service until the machinery into which it is to be incorporated has been declared in conformity with the provisions of the Machinery Directive 2006/42/EC*

*Technical documentations is compiled in accordance with Annex VII, part B, of the Machinery Directive 2006/42/EC.*

*We undertake to transmit, in response to a reasoned request by the appropriate national authorities, relevant information on the partly completed machinery listed above.*

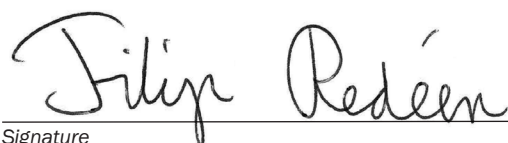
*The method of transmission shall be by electronic means.*

The relevant technical documentation for the partly completed machinery is available from:

REHOBOT Hydraulics AB  
Skjulstagatan 11A, Box 1107  
SE-63180 Eskilstuna, SWEDEN

Eskilstuna, 2024-04-09

Place and date



Signature

Filip Redéen, President/CEO

Clarification of signature and position

## SE Garanti

För denna produkt lämnar REHOBOT Hydraulics AB full garanti för tillverknings- och materialfel. Produkten har under tillverkningsprocessen passerat ett antal kontrollpunkter för att säkerställa funktion och kvalitet. Åtgärdet gäller ny produkt och är giltigt 12 månader från den dag användaren mottagit produkten. För att garantiersättning skall utgå krävs att kvitto på när produkten köpts kan uppvisas.

Garantin gäller under förutsättning att produkten använts på normalt sätt och enligt anvisningar och instruktioner. Garantin omfattar t.ex. ej:  
- skador uppkomna genom normal förslitning eller bristfälligt underhåll  
- skador uppkomna genom felaktigt handhavande eller överbelastning  
- modifieringar eller ombyggnader ej godkända av REHOBOT Hydraulics AB  
- skador uppkomna genom användande av reservdelar som ej är REHOBOT originaldelar.

För el- och bensinmotorer som sälts tillsammans med REHOBOT-produkter, baserar sig REHOBOT Hydraulics AB's åtagande på respektive tillverkarens garantivillkor som bifogas varje produkt. Vid garantianspråk kontakta Din återförsäljare för information angående närmaste auktoriserad serviceverkstad för reparation eller ev. byte. REHOBOT Hydraulics AB påtar sig härutöver inget ansvar.

## NO Garanti

För dette produktet gir REHOBOT Hydraulics AB full garanti for produktions- og materialfeil. I løpet av produksjonsprosessen har produktet gjennomgått flere kontrolltester for å sikre funksjonalitet og kvalitet. Garantien gjelder nye produkter, og er gyldig i 12 måneder fra den dagen brukeren mottar produktet. For at garantiersetting skal gis, må kvittering med kjøpsdato kunne fremvises.

Garantien gjelder under forutsetning av at produktet er blitt brukt på normal måte, og i henhold til anvisninger og instruksjoner. Garantien omfattar for eksempel ikke:  
- skader som har oppstått på grunn av vanlig slitasje eller manglende vedlikehold  
- skader som har oppstått ved feil bruk eller overbelastning  
- endringer eller ombygninger som ikke er godkjent av REHOBOT Hydraulics AB  
- skader som har oppstått på grunn av bruk av andre reservvedeler enn REHOBOT originaldelar.

## DK Garanti

REHOBOT Hydraulics AB giver fuld garanti for fremstillings- og materialefejl for dette produkt. Produktet har under fremstillingsprocessen passeret et antal kontrolpunkter for at sikre funktion og kvalitet. Garantien dækker kun nye produkter og er gyldig 12 måneder efter, at kunden har modtaget produktet. Garantien gælder kun, hvis kvittering med angivelse af købsdatoen kan opvises.

Garantien er kun gyldig, hvis produktet er brugt på en normal måde og i henhold til anvisninger og instruktioner. Garantien omfatter f.eks. ikke:  
- skader opstået ved normal slitage eller mangelfuld vedligeholdelse  
- skader opstået ved forkert håndtering eller overbelastning  
- modificering eller ombygning, som ikke er godkendt af REHOBOT Hydraulics AB  
- skader opstået ved brug af reservedelev, som ikke er REHOBOT originaldele.

## FR Garantie

REHOBOT Hydraulics AB garantit ce produit contre tous défauts de fabrication et de matériaux. Lors de sa fabrication, le dit produit a été soumis à un certain nombre de contrôles destinés à assurer tant sa qualité que son bon fonctionnement. La présente garantie assortie à tout produit neuf, est valable 12 mois à compter de sa date de livraison. Pour pouvoir la faire jouer, l'acquéreur de ce produit devra être en mesure de prouver la date d'achat de ce dernier.

Cette garantie est applicable sous réserve que le produit ait fait l'objet d'une utilisation normale, conjointement avec les produits REHOBOT, REHOBOT Hydraulics AB ainsi que les conditions de garantie de chaque fabricant, jointes à chacun des produits en question. En cas de réclamation, veuillez vous mettre en rapport avec votre concessionnaire, afin de connaître l'atelier agréé le plus proche, en vue d'une réparation ou d'un échange éventuel du produit concerné. Faut de respect des conditions ci-dessus énoncées, la responsabilité de REHOBOT Hydraulics AB ne saurait être engagée.

d'origine REHOBOT  
En ce qui concerne les moteurs électriques et à essence vendus conjointement avec les produits REHOBOT, REHOBOT Hydraulics AB applique les conditions de garantie de chaque fabricant, jointes à chacun des produits en question. En cas de réclamation, veuillez vous mettre en rapport avec votre concessionnaire, afin de connaître l'atelier agréé le plus proche, en vue d'une réparation ou d'un échange éventuel du produit concerné. Faut de respect des conditions ci-dessus énoncées, la responsabilité de REHOBOT Hydraulics AB ne saurait être engagée.

## NL Garantie

Voor dit product geven wij volledige REHOBOT Hydraulics AB garantie op fabriekage- en materiaalfouten. Het product is tijdens de fabriekage een aantal controlepunten gepasseerd ter verzekering van werking en veiligheid. De garantie geldt voor nieuwe producten en is twaalf maanden geldig, gerekend vanaf dat de dag dat de gebruiker het product heeft ontvangen. Voor het verlenen van de garantie wordt vereist dat de kwitantie van de aankoop van het product getoond kan worden.

De garantie geldt onder voorwaarde dat het product op normale manier is gebruikt en volgens de aanwijzingen en instructies. De garantie omvat bijv. niet: schade ten gevolge van slijtage of gebrekkig onderhoud, schade ten gevolge van foutief gebruik of overbelasting, veranderingen of ombouwingen die niet zijn goedgekeurd door REHOBOT Hydraulics AB, schade ten gevolge van het gebruik van andere dan originele REHOBOT reserveonderdelen.

De voorwaarden van REHOBOT Hydraulics AB betreffen de elektro- en benzinmotoren die samen met de REHOBOT-producten worden verkocht, zijn gebaseerd op de garantievoorwaarden van de fabrikanten van de afzonderlijke producten. Deze voorwaarden worden bij elk product bijgevoegd. Voor aanspraak op garantie dient u contact op te nemen met uw dealer voor informatie over de dichtbijzijnde geautoriseerde servicewerkplaats voor reparatie of eventuele vervanging. Buiten het hier genoemde neemt REHOBOT Hydraulics AB geen verdere aansprakelijkheid op zich.

## IT Garanzia

Questo prodotto è coperto dalla garanzia totale REHOBOT Hydraulics AB per quanto riguarda difetti di materiale o di fabbricazione. Durante la produzione il prodotto è stato sottoposto ad una serie di controlli per assicurarne qualità e funzionamento. La garanzia si riferisce a prodotti di nuova costruzione e ha la durata di 1 anno dalla data di acquisto del prodotto. Per la validità della garanzia è indispensabile la ricevuta comprovante la data di acquisto del prodotto stesso.

La garanzia è valida se il prodotto viene usato nei modi previsti per gli usi a cui è destinato, secondo le istruzioni e le indicazioni per l'uso. La garanzia non copre per esempio: danni provocati da usura normale o da manutenzione carente; danni provocati da un uso inadeguato od eccessivo del prodotto; modifiche non approvate per iscritto dalla REHOBOT Hydraulics AB; danni causati dall'uso di ricambi non originali REHOBOT.

Per quanto riguarda i motori benzina ed elettrici venduti insieme ad i prodotti REHOBOT, la responsabilità della REHOBOT Hydraulics AB si basa sulle condizioni di garanzia della fabbricante relative a ciascun prodotto. Per eventuali interventi in garanzia contattare il rivenditore per ulteriori informazioni relative all'officina autorizzata REHOBOT per le riparazioni o la sostituzione. La REHOBOT Hydraulics AB non si assume nessuna responsabilità ulteriore o a quanto sopra descritto.



## FI Takuu

REHOBOT Hydraulics AB myöntää tälle tuotteelle valmistus- ja materiaalivirheet kattavan täyden takuun. Tuotteelle on valmistusprosessin aikana suoritettu useita tarkastuksia, jolla on varmistettu sen toiminta ja laatu. Takuu koskee uutta tuotetta ja on voimassa 12 kuukautta siitä päivästä lukien, jolloin käyttäjä vastaanotti tuotteen. Takuuvaatimusten tueksi on esitettävä kuitti, josta käy ilmi, milloin tuote on ostettu.

## GB Guarantee

REHOBOT Hydraulics AB provide a full guarantee covering manufacturing and material faults. During its manufacture the product has undergone several control checks to ensure its safety, efficiency and quality. The guarantee covers new products only and is valid for 12 months from the day the customer receives the product. Claims under the guarantee can be made only on production of the original receipt of purchase.

## DE Garantie

Für dieses Produkt gewährt REHOBOT Hydraulics AB volle Garantie für Herstellungs- und Materialfehler. Das Erzeugnis hat zwecks Funktions- und Qualitätssicherung während des Fertigungsverfahrens eine Anzahl Kontrollpunkte passiert. Die Gewährleistung gilt für neue Produkte und hat eine Gültigkeitszeit von 12 Monaten von dem Tage an, an dem der Anwender das Erzeugnis erhalten hat. Damit die Garantie Gültigkeit erlangt, muß eine Quittung vorgewiesen werden, aus der das Kaufdatum hervorgeht.

Takuu on voimassa sillä edellytyksellä, että tuotetta on käytetty normaalla tavalla ja annettujen ohjeiden mukaisesti. Takuu ei kata esim.:

- normaalista kulumisesta tai puutteellisesta kunnossapidosta aiheutuneita vikoja
- virheellisesti käsittelystä tai ylikuormituksesta aiheutuneita vikoja
- ilman REHOBOT Hydraulics AB:n hyväksyntää suoritettuja muutoksia ja lisäyksiä
- muiden kuin REHOBOT alkupeäraisten varaosien käytöstä aiheutuneita vikoja

The guarantee is valid only if the product has been used in the normal way and according to the instructions provided. The guarantee does not cover, e.g.:

- damage caused by normal wear or lack of maintenance
- damage caused by misuse or overloading
- modification or rebuilding not approved by REHOBOT Hydraulics AB
- damage resulting from the use of spare parts which are not REHOBOT original parts.

Die Garantie gilt unter der Voraussetzung, daß das Erzeugnis auf normale Art und nach den Anweisungen und Instruktionen verwendet wurde. Die Garantie umfaßt z. B. keine durch normalen Verschleiß oder mangelhafte Instandhaltung entstandenen Schäden - durch fehlerhafte Handhabung oder Überbelastung entstandenen Schäden - Änderungen oder Umbauten, die nicht von REHOBOT Hydraulics AB gutgeheißen sind - Schäden, die durch die Verwendung von Ersatzteilen entstanden sind, die keine REHOBOT-Originalteile sind.

## ES Garantía

REHOBOT Hydraulics AB garantiza este producto contra defectos de fabricación y del material. Durante el proceso de fabricación, el producto ha sido controlado en varias oportunidades para asegurar su función y calidad. La garantía le asegura un producto nuevo y es válida durante 12 meses a partir de la fecha de recepción del producto por el usuario. Para que la garantía sea válida, es requisito indispensable la presentación del comprobante de compra del producto con indicación de la fecha.

La garantía es válida siempre y cuando el producto sea utilizado normalmente y de acuerdo a las instrucciones y recomendaciones de uso. La garantía no cubre por ej.:

- daños ocasionados por desgaste natural o mantenimiento deficiente
- daños causados por operación deficiente o sobrecarga
- modificaciones o arreglos no aprobados por REHOBOT Hydraulics AB
- daños ocasionados por el uso de repuestos no originales de REHOBOT.

Para los motores eléctricos y de gasolina vendidos junto con los productos REHOBOT, la responsabilidad de REHOBOT Hydraulics AB se basa en las condiciones de garantía del fabricante respectivo, adjuntas al producto. En caso de querer beneficiarse de la garantía, tenga a bien dirigirse a su representante para informarse sobre el taller oficial más cercano para reparaciones o cambio. REHOBOT Hydraulics AB no se responsabiliza más que por lo que queda indicado.

## PT Garantia

REHOBOT Hydraulics AB oferece para este produto uma garantia completa cobrindo defeitos de fabricação e de material. Durante a fabricação o produto foi submetido a diversos testes para assegurar um bom funcionamento e qualidade. A garantia cobre apenas produtos novos e é válida por 12 meses, a partir do dia em que o cliente recebeu o produto. Para se proceder ao reembolso é exigida a exibição do recibo comprovatório da data de compra do produto.

A garantia só é válida se o produto tiver sido usado de forma normal e segundo as instruções fornecidas. A garantia não abrange por exemplo:

- Estragos causados por desgaste normal ou falta de manutenção.
- Estragos causados por uso erróneo ou sobrecarga.
- Modificações não aprovadas por REHOBOT Hydraulics AB.
- Estragos resultantes do uso de peças sobresselentes que não sejam originais REHOBOT.

Para os motores eléctricos e a gasolina vendidos em conjunto

## 中文 质量保证

REHOBOT 公司提供全面的质保, 这包括制造和材料方面的故障。在其制造过程中, 产品已经过了多项控制检验从而确保了它的安全、高效和优质性能。质保范围只包括新的产品, 有效期限为从客户收到产品之日起12个月。根据质保提出要求时, 要出示原始收据。只有用正常的方式并且按照所提供的说明书使用产品的情况下质保才有效。

质保范围不包括: 正常磨损或缺乏保养导致的损害 错误的使用或过载引起的损害 未经REHOBOT公司批准而进行修改或重建而引起的损害 不使用REHOBOT原始备件引起的损害 与REHOBOT产品配套销售的电气和汽油发动机, REHOBOT公司的承诺是基于相关制造商的质保期, 这在

每个产品上都有附注说明。根据质保提出的要求应该提交到您的销售商, 他将告诉您最近的维修服务处以利于您去维修或更换。除此之外, REHOBOT公司不接受任何责任。