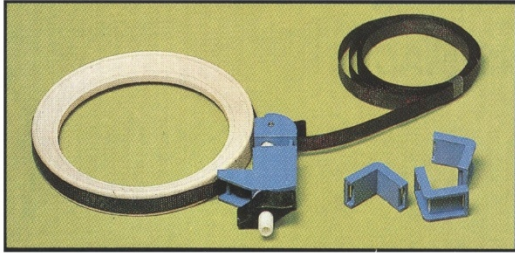
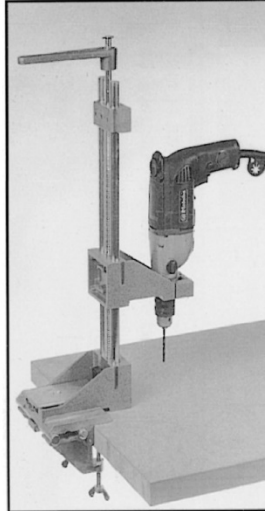
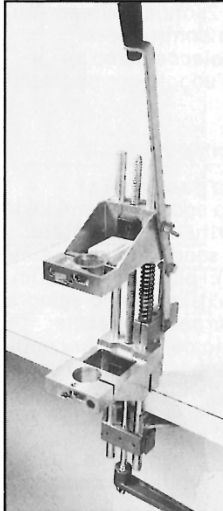
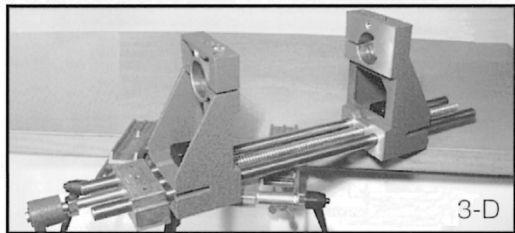
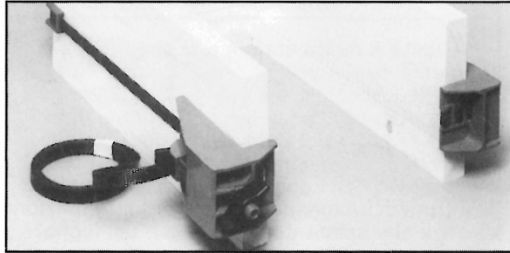
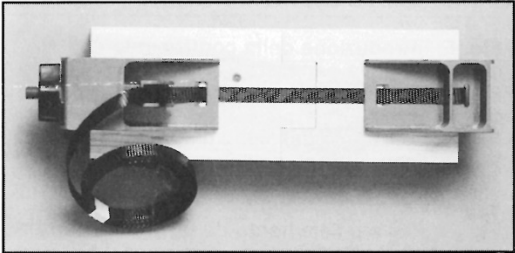


- Rahmenspanner
- Presse à cadres
- Frame Clamp
- Lijstenspanner
- Ramspännare
- Aparato tensor de marco



- Bandzwinde
- Serre-joint à ruban
- Strip clamp
- Bandspanner
- Bandspännare för ramar
- Abrazadera de cinta



- Bohrständer zu SWISSREX System-Werkstatt
- Support-Perceuse pour Multi-Service SWISSREX
- Drilling support for SWISSREX System-Workshop
- Borstativ till SWISSREX system-verkstden
- Boorstander by SWISSREX gereedschapsuitrusting
- Montante de taladradora para taller de sistema SWISSREX

SWISSREX

- Bedienungsanleitung SWISSREX System-Werkstatt
- Mode d'emploi de l'équipement du Multi-Service SWISSREX
- Operating instructions SWISSREX System-Workshop
- Bedieningsinstructies SWISSREX gereedschapsuitrusting
- Bruksanvisning för SWISSREX systemverkstad
- Instrucciones de manejo del taller de sistema SWISSREX
- Istruzioni per l'uso del «combinato officina» SWISSREX

SWISSREX



Rex Metall AG, SA, Ltd.

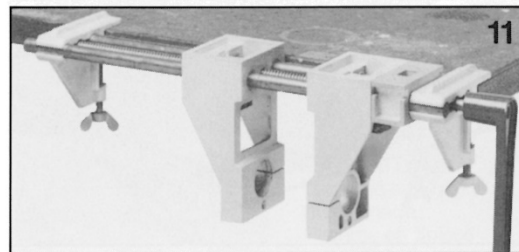
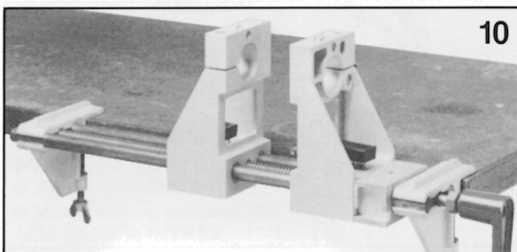
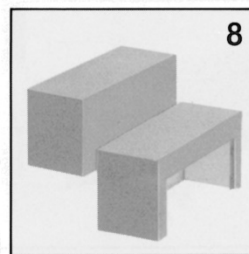
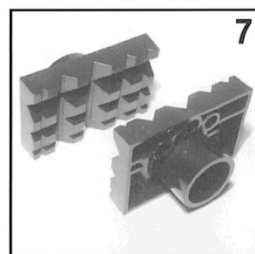
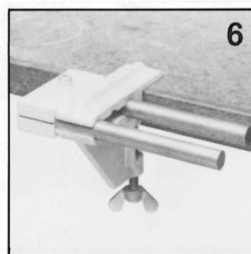
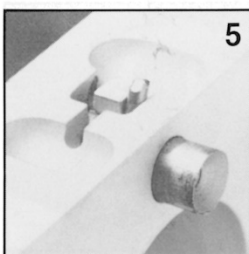
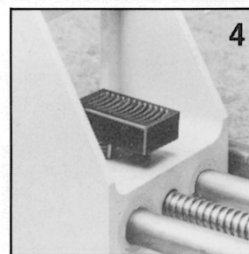
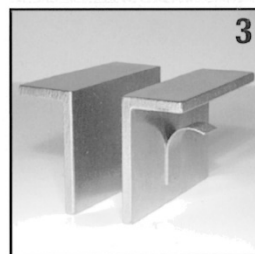
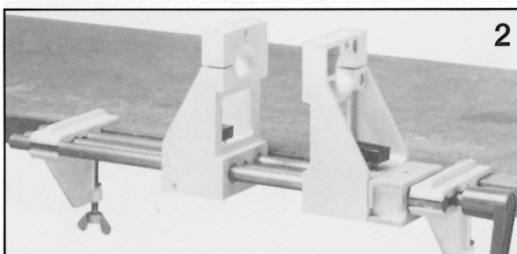
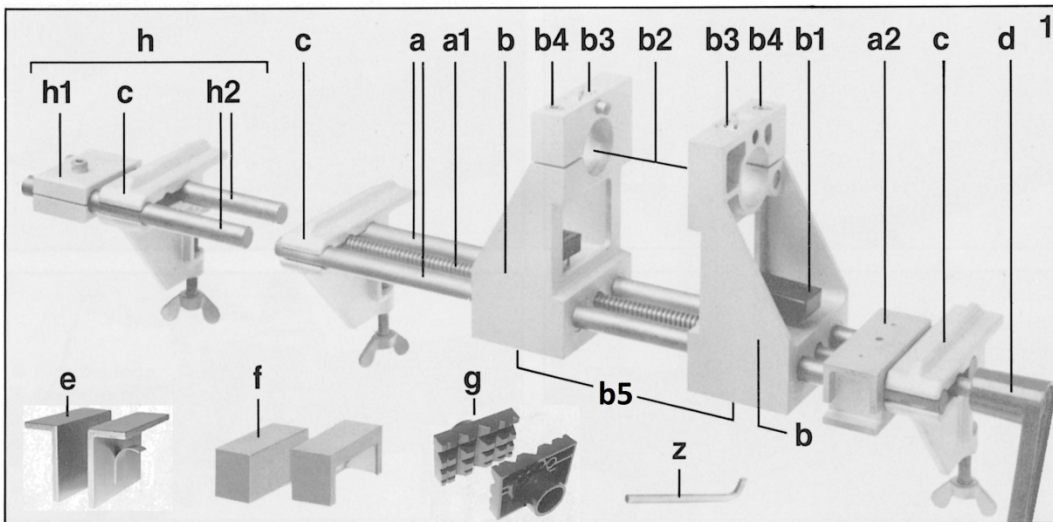
Schwarzenburgstrasse 586, 3144 Gasel / Bern, Schweiz

Telefon +41 848 10 30, Fax +41 31 848 10 40

E-Mail: info@rexmetall.ch, www.rexmetall.ch, www.swissrex.com



Inhalt	Contenu	Content
Grundgerät System-Werkstatt	Multi-Service équipement de base	System-Workshop Basic equipment



SWISSREX System-Workshop

The SWISSREX System-Workshop was designed for the easy and precise use with workpieces of all kinds of material, such as metal, wood, plastic, glass, ceramics, etc. by the craftsman and the home handyman. The universal system workshop is equipped for various functions.

Basic equipment (Fig. 1)

The SWISSREX System-Workshop consisting of the basic unit with 2 columns (a), spindle (a1) and bearing block (a2), removable handle (d), 2 holding clamps (c), 2 system jaws, capable of being moved independently of one another (b) (jaw surface 100 x 70 x 35 mm / 4 x 2 3/4 x 1 3/8") with high-speed adjustment (b1). By just simply pressing the button (b1), the clamp jaws (b) can be adjusted in a second. Opening 320 mm / 12 1/2"; in addition, the opening size can be extended as required by using the extension unit (h), parallel clamping with four bearing surfaces, plane bench with any length required, 2 integral drilling machine holders (b2) - European standard 43 mm / 1 3/4" - for combined use with electric drills. Locking screws (b4 & b5), stay jaw fitting (b3) for all-round working on items of any length (wheelwright and cartwright fitting) integrated in the system jaws (b). Steel jaws (e) for metal working (jaw surface 100 x 70 x 35 mm / 4 x 2 3/4 x 1 3/8"), round and pipe-clamp fitting with prisms (g), fully pivoted 360 degrees, additionally fixable at 30 degrees and 45 degrees. Plastic jaws (f) for clamping items sensitive to pressure. Extension unit (h) with holding clamp (c), tool holder (h1), 2 short columns (h2), hexagon socket spanner 6 mm / 1/4" (z).

Please note:
Continuously we work for the best quality and most possibilities. So pieces might have other shapes than shown on the pictures.

Fig. 2: SWISSREX System-Workshop with 2 integral drilling machine holders (European standard 43 mm \varnothing / 1 3/4").

Fig. 3: Steel jaws of the vice (e).

Fig. 4: Both system jaws with rapid adjustment (b1). By simply pressing the button, the system jaws can be adjusted in a second.

Fig. 5: Both system jaws integrated with a stay-jaw attachment for all-round working.

Fig. 6: Extension unit (h).

Fig. 7: Round and pipe-clamp jaws (g).

Fig. 8: Plastic jaws for clamping items sensitive to pressure (f).

Fig. 10 + 11: The holding clamps are mounted with the unit either facing upwards (vice), or downwards (plane bench).

The holding clamps can be fitted in 3 different basic positions on the unit:

Pos. A - Both clamps on the outer side.

Note: The SWISSREX System-Workshop can be mounted either on the right or left hand corner of the bench or in the centre of the bench. Maximum benchtop thickness 65 mm / 2 1/2".

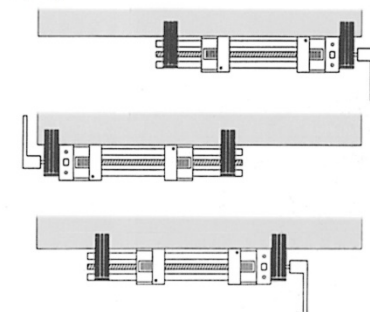
Pos. B - One clamp on the outer side, one between the jaws.

Pos. C - Both clamps on one outer side.

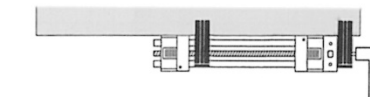
Pos. D - When the extension unit is being used, one holding clamp is fitted between the system jaws, as in B.

Depending the use of the extension unit, you put 2 holding clamps between the system jaws (d1) or just one. You can use the columns as a support (d2) or you hide them, to put big workpieces between the system jaws (d3).

Pos. A



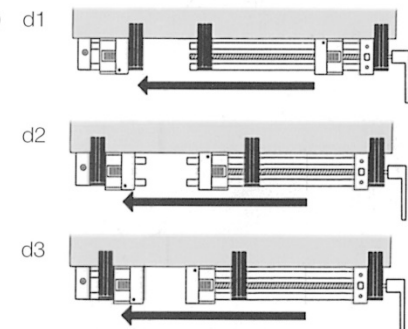
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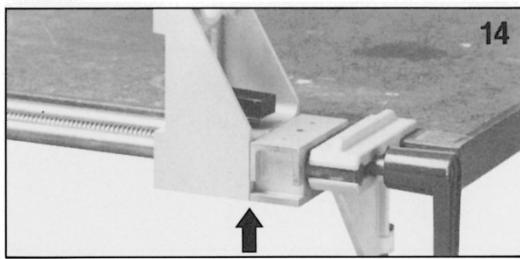


Pos. C

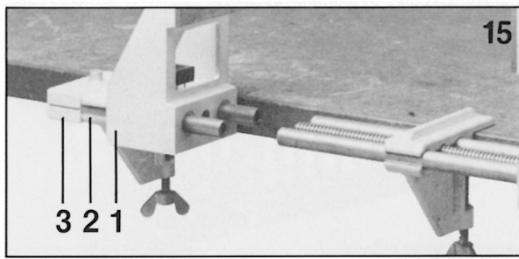


Pos. D

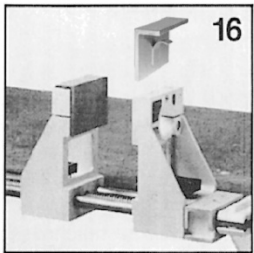




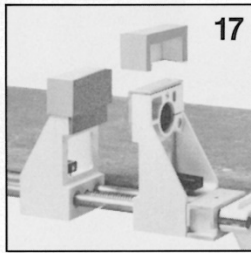
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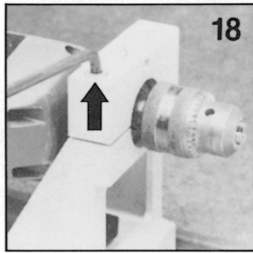
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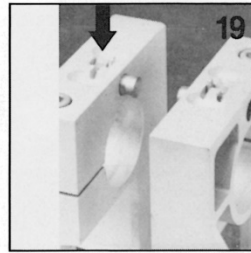
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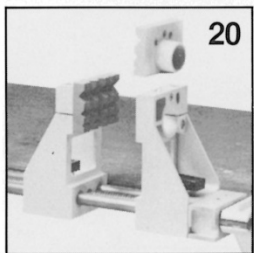
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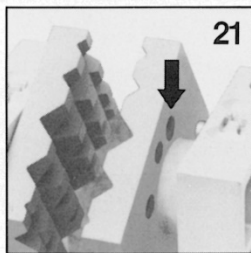
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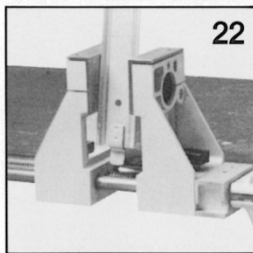
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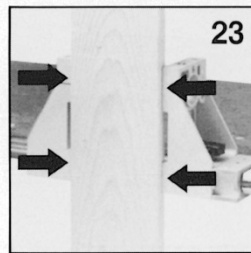
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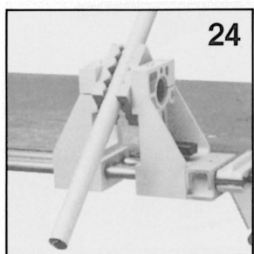
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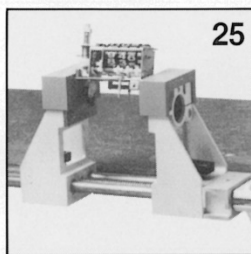
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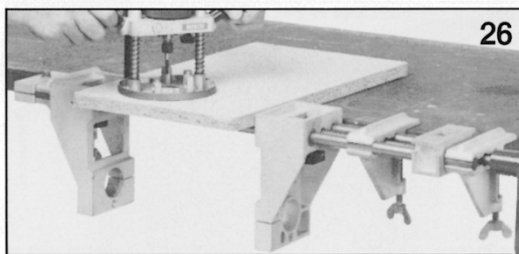
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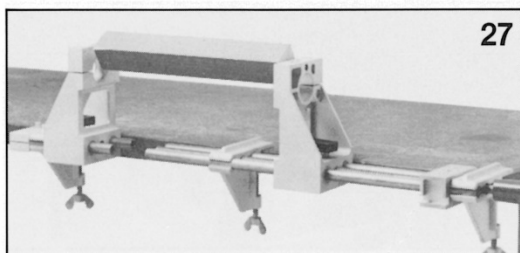
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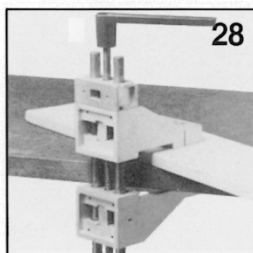
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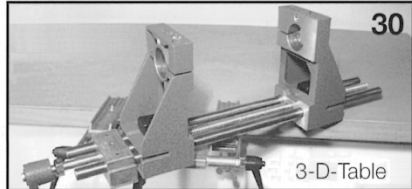
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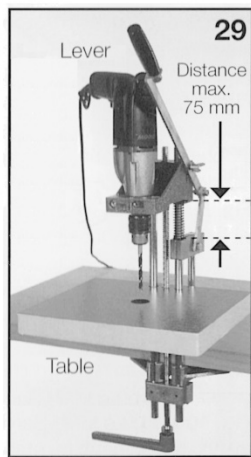
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3-D-Table



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Adapter



29

Table

Fig. 14: When being used as a vice with an opening width up to 320 mm/12½", both system jaws (b) move on the columns (a). One system jaw must always be at the location block (a2), locked in position.

Fig. 15: If the opening width is to be extended, the second system jaw is mounted on the extension unit (h), note the sequence 1-2-3, i.e. jaw - holding clamp - tool holder.

Fig. 16: The steel jaws (e) are mounted when using the vice with all harder working materials (e.g. metals).

Fig. 17: Mount the plastic jaws (f) for sensitive workpieces and surfaces.

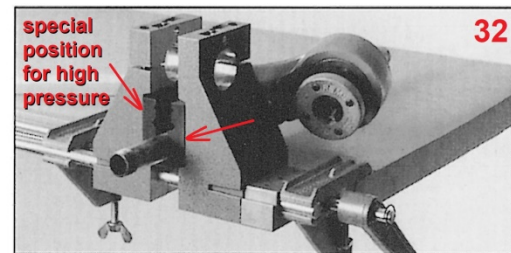
Fig. 18: The drilling machine can be fitted on the right or left in the round holders of the system jaws (b2). Tighten up fixing screw (b4).

Fig. 19: When working on items which have to be turned on their own axis, the stay jaw unit (b3) is used. The bearing mandrels are pushed forward with the locking device (on the top side of the system jaw) and retracted again after use.

Fig. 20: Round, oval and angular workpieces can be clamped in place with the round and pipe-clamp jaws.

Fig. 21: The angles 30 degrees and 45 degrees can be fixed additionally with the stay jaw unit (b3).

Fig. 22: Vice with steel jaws (optimum hold) thanks to the bearing surfaces 100 x 70 x 35 mm/ 4 x 2¾ x 1¾" (but don't press hard! - in this position).



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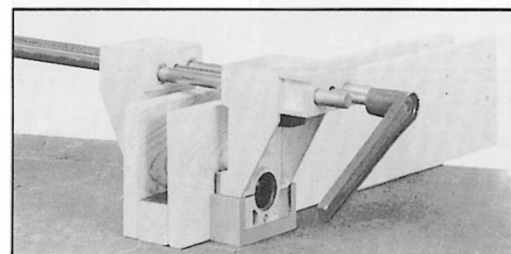


Fig. 23: Vice with parallel clamping (large bearing surfaces), **without jaws e, f and g.**

When you use the jaws upwards (vice), please note: **With 4 supports on the jaws (up & down): This is the only position to give very high pressure to a workpiece, without running the risk of breaking the jaws!**

When you use the jaws downwards (as a plane bench), of course you can give highest pressure as well - in this position is no risk for the jaws at all.

Fig. 24, 32 & 33: Round and pipe-clamp jaws.

Fig. 25: Clamping sensitive materials with plastic jaws (f).

Fig. 26: Workpiece mounted as a planing bench with extension unit.

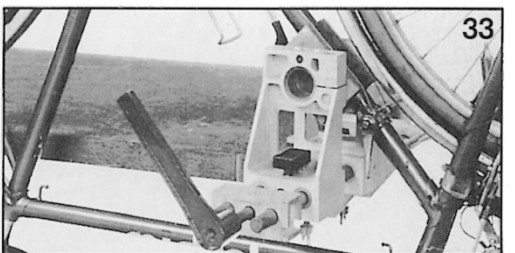
Fig. 27: Stay jaws in use.

Fig. 28: Workpiece as a screw or glue clamp.

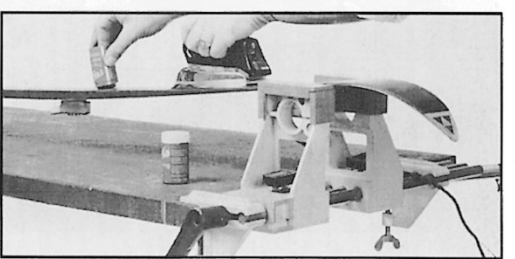
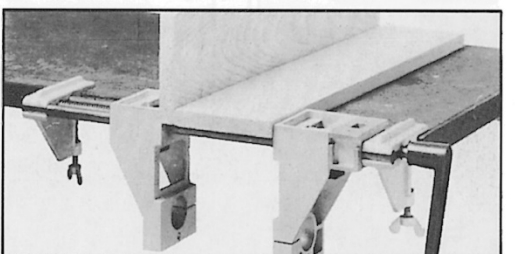
Fig. 29, 30 & 31: some accessories, not included in the basic equipment; ask us for more other accessories!

Guarantee

The SWISSREX System-Workshop is manufactured in accordance with the most modern production methods, and subject to continuous quality controls. We give a guarantee of **5 years** for material and production faults. Damage caused by incorrect handling and normal wear and tear is excluded from the guarantee. Transport costs are not included in the extent of warranty.



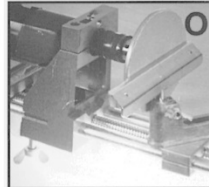
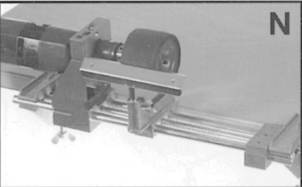
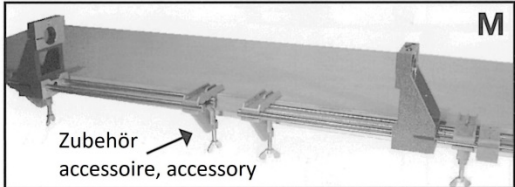
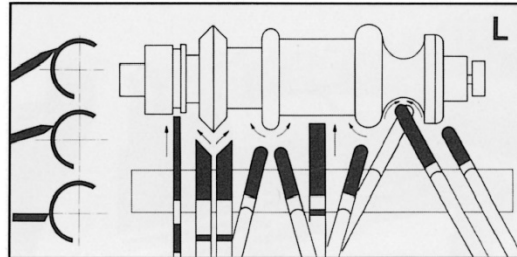
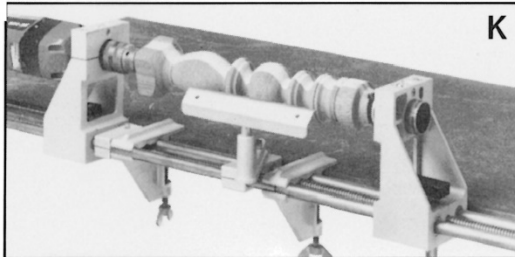
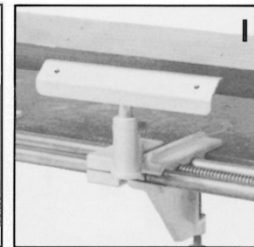
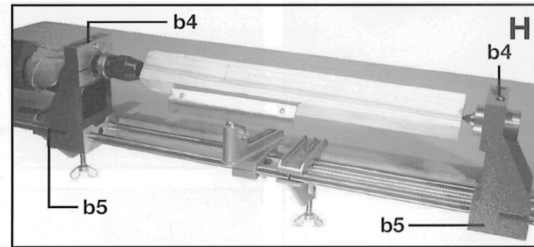
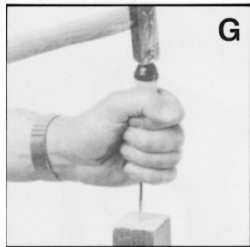
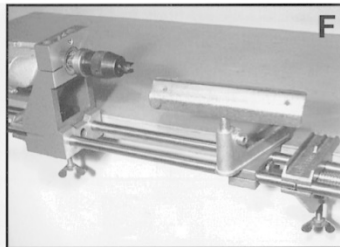
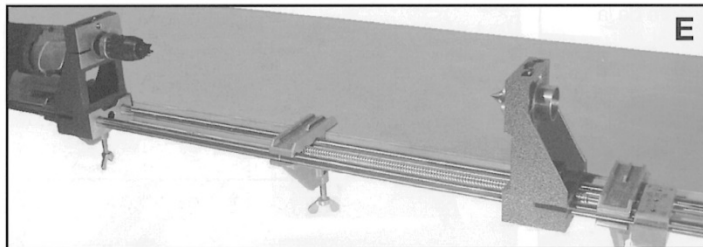
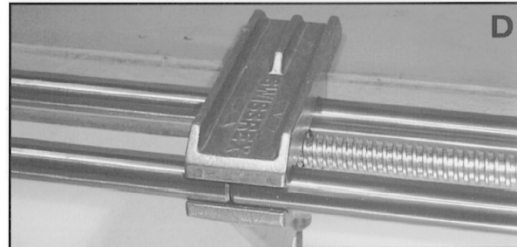
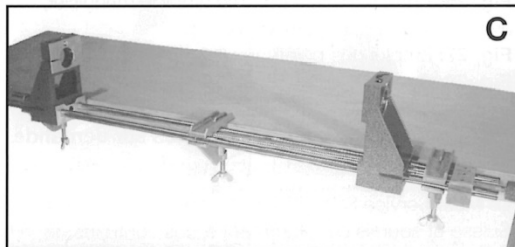
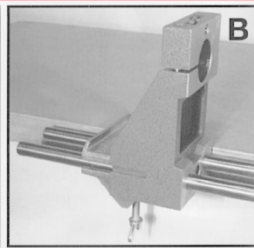
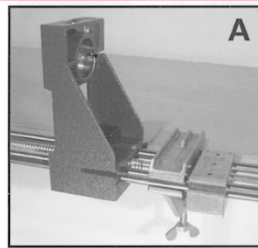
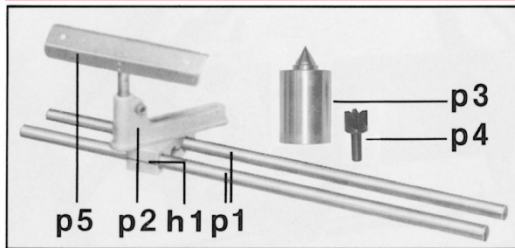
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Zubehör: Drechseleinheit

Accessoire: Tour à bois

Accessory: Woodturning attachment



Zubehör
accessoire, accessory

Additionally available: Lathe unit for the SWISSREX System-Workshop

This lathe unit is notable for its very sturdy design and high-quality finish. Workpieces with a diameter up to 220 mm/8 3/4" (diameter turned 110 mm/4 3/8"), and up to a maximum length of 800 mm/31 1/2" can be turned. This guide shows the operation and function. We recommend in addition a specialist instruction book with important tips for the correct tools and wood.

Available as an **attachment** and extension unit: Turning lathe unit (p), consisting of 2 steel columns 560 x 18 mm/22 x 3/4", tool holder (p2), ball-bearing tailstock tip (p3), driving lug (p4), tool surface 200 mm/7 7/8" wide with holder (p5).

Assembly instructions: Lathe unit

Fig. A: Mount one system jaw (b) on the columns (a) in such a way that the high-speed setting (b1) locks on the spindle (a1).

Fig. B: Mount the second system jaw on the extension columns (p1). Always fix the holding clamp (c) and the tool holder (h1) in the vicinity of the system jaw, either in front of or behind the jaw, depending on the length of the item to be turned.

Fig. C: Connect the extension unit to the already assembled basic unit.

Fig. D: The holding clamp (c) is at the middle of the connection.

Fig. E: Fit the ball-bearing tailstock tip (p3) into the adjustable system jaw. Clamp the driving lug (p4) into the drilling machine. Tighten up the fixing screws (b4).

Fig. F: Fit the tool bearing plate p2 and p5.
Fig. G: Prepare the workpiece: mark centre and centre up for tailstock tip (p3).
Fig. H: Clamp in workpiece and tighten up all fixing screws (b5).
Fig. I: Set the tool bearing plate at the workpiece axis height! Distance about 10 mm/3/8". The lathe is ready for operation!

Note

Fig. K: The pitches of the turning chisel depend on the hardness of the workpieces. Use well sharpened turning chisels.

Fig. L: The working of forms.

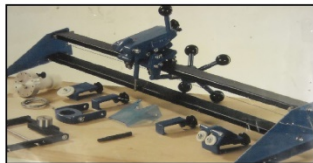
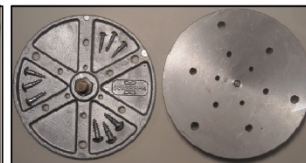
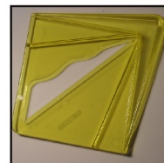
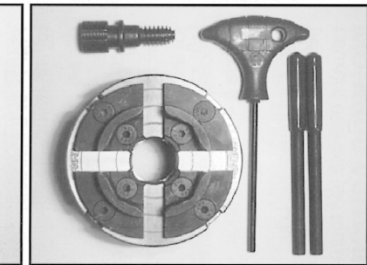
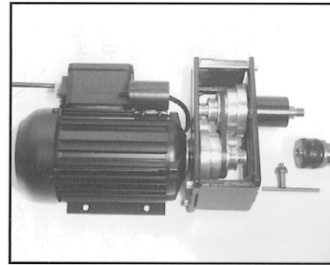
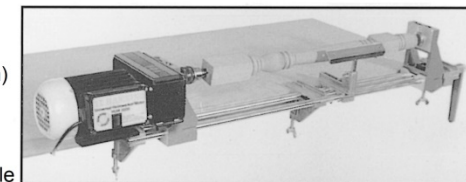
Fig. M: How to fix workpieces bigger than 800mm. Note: as accessory you will need either a 4th clamp or our 1'200mm long columns / bars.

Fig. N+O: How to use the tool-support for other use, e.g. sanding or grinding with a disc or drum.

Important: Care should be taken when working on the lathe that clothing does not get caught up in the workpiece being turned (roll up your sleeves, put on protective goggles). The workpieces should be rounded roughly (remove edges) before being put onto the lathe. The tool support must always be moved as close as possible to the workpiece so that the turning chisel cannot become caught between the bearing surface and the workpiece. Please use a powerful drilling machine as a drive, or better, our extremely silent universal motor (see below). Please note: this 700W-motor is **just available for 230V!**

Accessories for woodturning

- Universal motor (230 / 700W), with:
 - 5 speed gear box (750 / 1'500 / 3'000 / 6'000 / 12'000 rpm)
 - European standard Ø 43mm / 1 1/4"
 - 13mm / 1/2"-20RH drill chuck + hex key
- Chisel set's (8pcs or 3 pcs), made of carbon steel or HSS
- 4-jaw-chuck with accessories; many tread-adaptors available



Without pictures: **more accessories on demand**, e.g. longer bars, special jaws to the 4-jaw-cuck, copiers, etc.

Montageanleitung senkrecht

Vertical mountings of the System-Workshop

Montage vertical

1) Put the clamps (c) close to the block (a2), as shown. 2) With the vertical columns, touch the table-board, then fix this board between the jaw (b) and the clamps (c), and tighten the jaw **very much** by the crank. Tighten the screws (b5). 3) 4 possibilities to put the second jaw on the columns. To move this jaw, press the key (b1) and push.

Bild 1: Halteklammern (c) wie abgebildet über Aufnahmeblock (a2) befestigen.

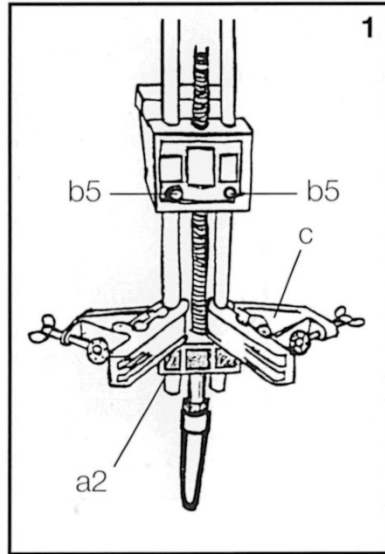


Bild 2: Gerät durch Festziehen von Kurbel (d) an Aussenkante Tisch fixieren. Wichtig: Kolonnen vertikal ganz am Tisch anliegend! Schrauben (b5) anziehen.

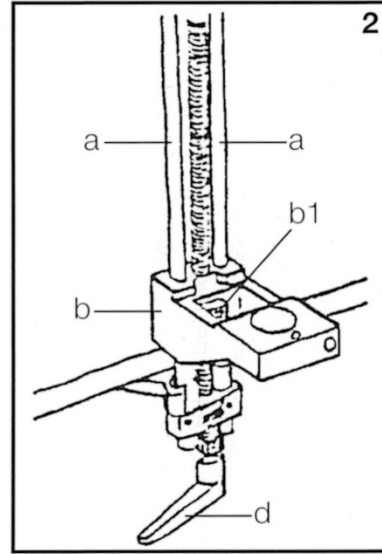


Bild 3: Zweite Systembacke (b) aufsetzen (4 Möglichkeiten). Vorschub durch Auslösen der Schnellverstellung (b1).

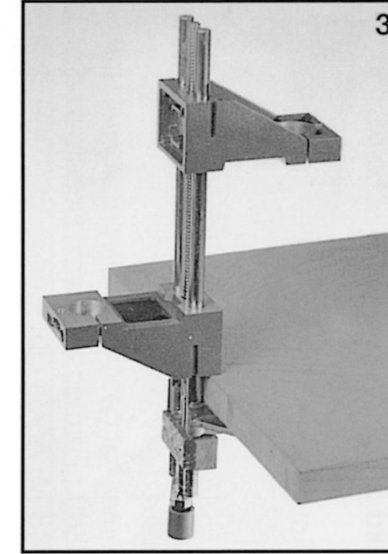


Fig. 1: Placer les deux serre-joints (c) contre le bloc d'arrêt (a2).

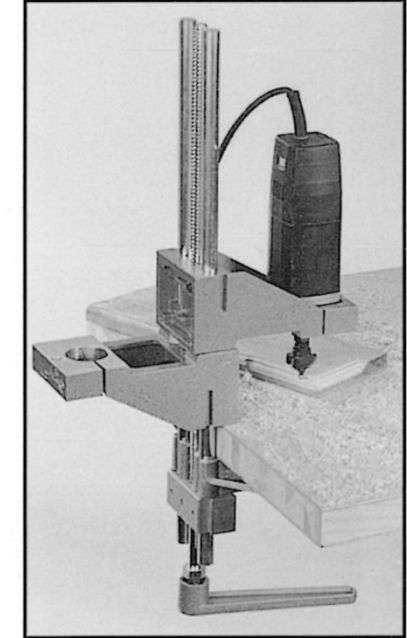
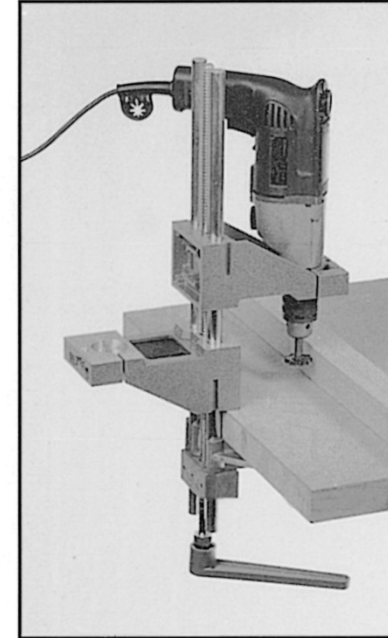
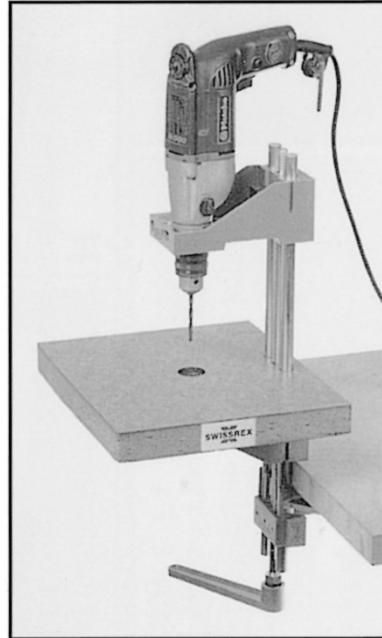
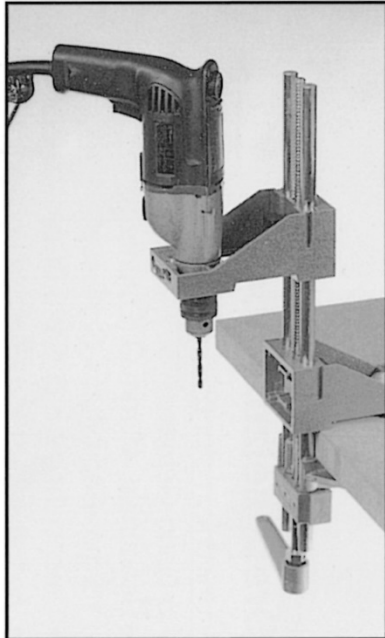
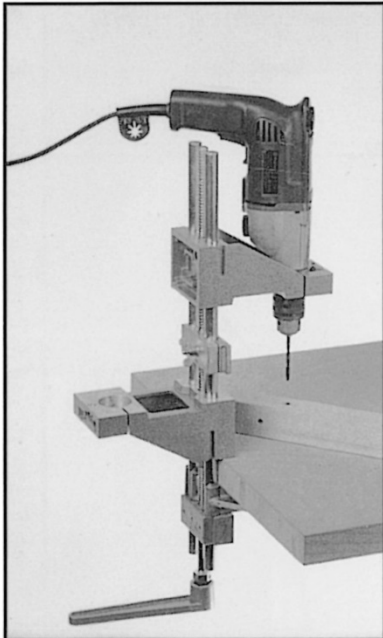
Fig. 2: Vérifier que l'ensemble soit bien vertical et pressé contre l'établi. Faire le blocage avec la poignée (d). Serrer les visses (b5).

Fig. 3: Mettre la deuxième mâchoire (4 possibilités). L'avance se fait par déclencher de la fixation rapide (b1).

Anwendungsbeispiele mit Bohrmaschine und Oberfräse

Examples of the use with drill and overhead router

Exemples d'utilisation avec perceuse et défonceuse



Bohrständer frei beweglich

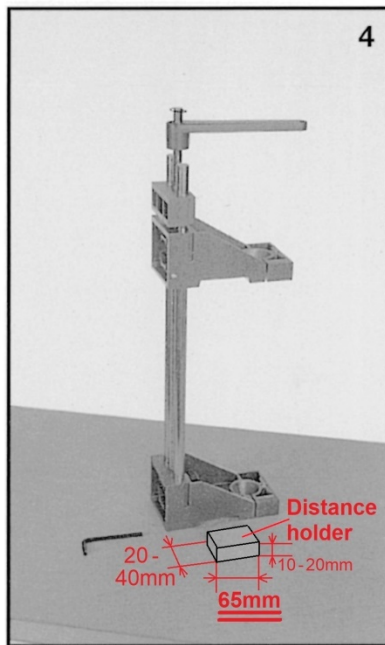
Rechtwinklig bohren

Bild 4: Beide Systembacken (b) wie abgebildet auf Kolonnen (a) setzen.

Bild 5: Schnellverstellung (b) bei unterer Systembacke mit kleinem Stück Holz (65 mm) auslösen und Schrauben (b5) festziehen. Bohrmaschine (Ø 43 mm Euronorm) einsetzen und fixieren.

Für schräge Bohrungen

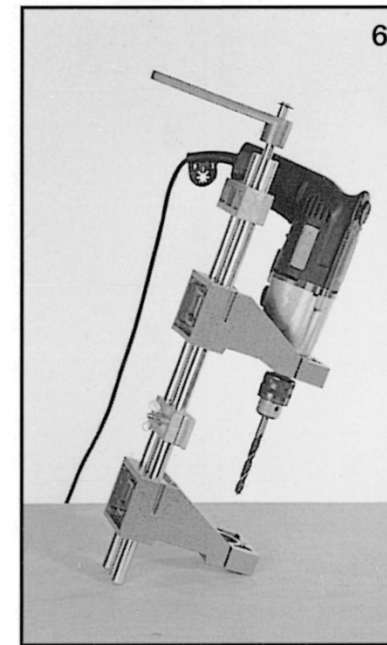
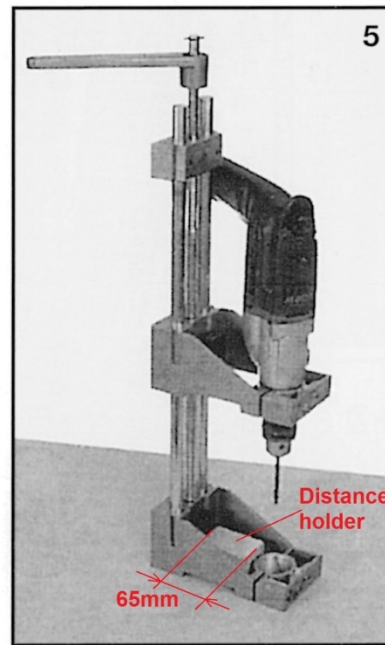
Bild 6: Schrauben (b5) an unterer Systembacke (b) lösen; gewünschte Neigung einstellen. Schrauben (b5) wieder fixieren. Tiefenan-schlag mit Klemmhalter (h1).



Make yourself a distance holder of wood, plastic
Length: **65mm!**

Drilling support, free movable in a right angle position or inclined

Loosen the screws (b5), choose the right angle, **tighten the screws (b5).**



Guide de perçage vertical

Perçer à l'angle droit

Fig. 4: Placer les deux mâchoires dans le même sens.

Fig. 5: A la mâchoire inférieur déclencher la fixation rapide (b1) avec un bout de bois (65 mm) et bloquer les visses (b5). Mettez et fixez la perceuse (43 mm Ø standard).

Perçage incliné

Fig. 6: Pour effectuer un perçage à l'angle de son choix, ouvrir les visses (b5) de la mâchoire inférieure, faire dépasser les barres pour avoir l'inclinaison voulue et serrer les visses (b5) de nouveau.

Accessory: drilling plate

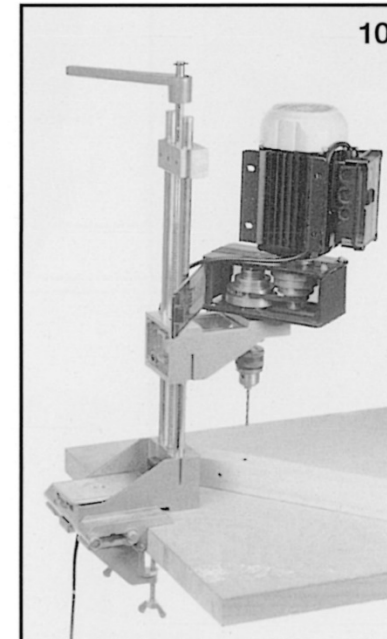
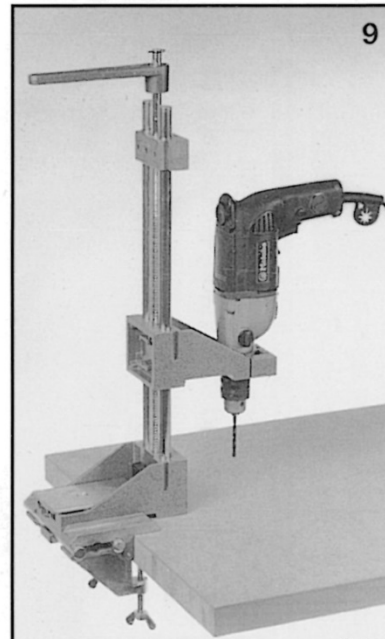
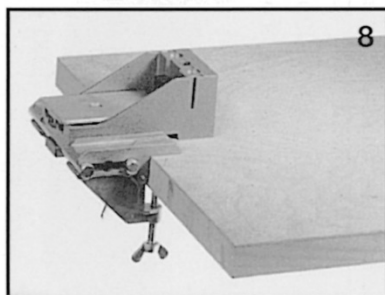
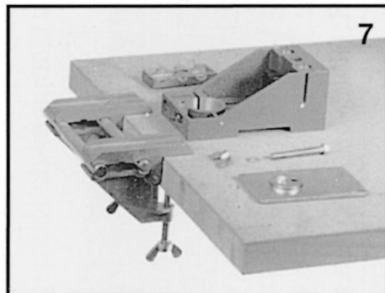
You get the instructions with the plate

Zubehör: Bohrplatte

Bild 7-9: Detaillierte Montageanleitung wird mit Bohrplatte geliefert.

Bild 9: Senkrechter Bohrmaschinenständer. Genaues Zustellen mit Kurbel (d): 4 mm Vorschub pro Umdrehung.

Bild 10: Arbeiten mit einem Motor, einer Bohrmaschine oder einer Oberfräse (evtl. Systembacke umdrehen).



Accessoire: Plaque de perçage

Fig. 7-9: L'instruction détaillée du montage est fournie avec la plaque.

Fig. 9: Travailler en guide de perçage vertical. La poignée (d) assure une descente précise: chaque tour correspond à 4 mm d'avance.

Fig. 10: Un moteur, une perceuse ou une défonceuse peuvent être fixé (ev. tourner la mâchoire).