



BLUM® HINGE BORING HEAD ATTACHMENT



MODEL: KW-162

INSTRUCTION MANUAL

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WARRANTY INFORMATION



2-YEAR LIMITED WARRANTY
HINGE BORING HEAD ATTACHMENT

KING CANADA TOOLS
OFFERS A 2-YEAR LIMITED WARRANTY FOR NON-COMMERCIAL USE.

PROOF OF PURCHASE

Please keep your dated proof of purchase for warranty and servicing purposes.

LIMITED TOOL WARRANTY

King Canada makes every effort to ensure that this product meets high quality and durability standards. King Canada warrants to the original retail consumer a 2-year limited warranty as of the date the product was purchased at retail and that each product is free from defects in materials. Warranty does not apply to defects due directly or indirectly to misuse, abuse, normal wear and tear, negligence or accidents, repairs done by an unauthorized service center, alterations and lack of maintenance. King Canada shall in no event be liable for death, injuries to persons or property or for incidental, special or consequential damages arising from the use of our products.

To take advantage of this limited warranty, return the product at your expense together with your dated proof of purchase to an authorized King Canada service center. Contact your retailer or visit our web site at www.kingcanada.com for an updated listing of our authorized service centers. In cooperation with our authorized serviced center, King Canada will either repair or replace the product if any part or parts covered under this warranty which examination proves to be defective in workmanship or material during the warranty period.

NOTE TO USER

This instruction manual is meant to serve as a guide only. Specifications and references are subject to change without prior notice.

PARTS DIAGRAM & PARTS LISTS

Refer to the Parts section of the King Canada web site for the most updated parts diagram and parts list.

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REMOVING 13-SPINDLE BORING HEAD AND LINK-BAR

This Hinge Boring Head Attachment is designed to fit King 13-Spindle Line Boring Machine (model KC-1300BM). The main 13-spindle boring head (A) Fig.1 and the link-bar (A) Fig.2 must be removed.

- 1) Loosen cap screw (B) Fig.1 and slide the 13-spindle boring head (A) assembly down to remove it.
- 2) Loosen lock knob (B) Fig.2 and slide the cover plate (C) out of the way as shown.
- 3) The link-bar (A) Fig.2 and (A) Fig.3 is secured to the machine spindle by 2 set screws, loosen both set screws using a long 4mm hex. key as shown.
- 4) Remove link-bar (A) Fig.2. It may be necessary to pry the link-bar off the spindle by using a large flat head screwdriver.

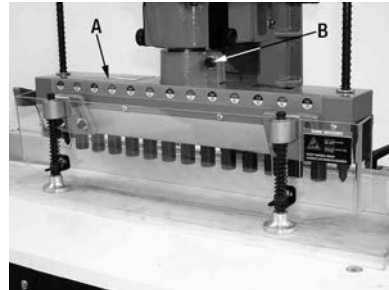


FIGURE 1

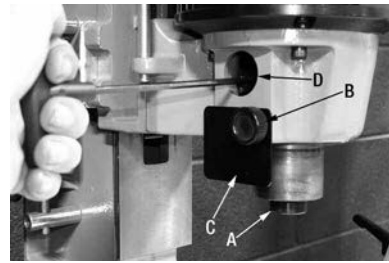


FIGURE 2



FIGURE 3

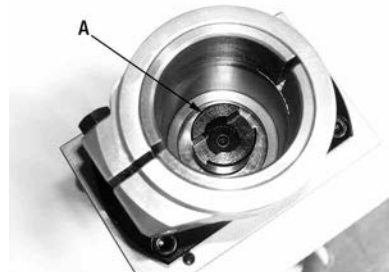


FIGURE 4

INSTALLING HINGE BORING HEAD AND LINK-BAR

This Hinge Boring Head Attachment requires its own link-bar (B) Fig.3.

- 1) Push the link-bar (B) Fig.3 up onto the machine spindle as far as it will go. Tighten both set screws to secure link-bar.

To properly install the Hinge Boring Head Attachment, the male end (C) Fig.3 of the link-bar must fit into the female end (A) Fig.4 of the Hinge Boring Head Attachment.

INSTALLING HINGE BORING HEAD AND LINK-BAR continued...

- 2) Line up both male and female ends and slide the Hinge Boring Head Attachment collar (A) Fig.5 up onto the machine collar (B).
- 3) Secure the Hinge Boring Head Attachment by tightening the hex. bolt (C) with the supplied open end wrench.

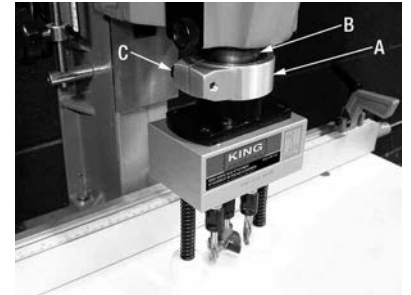


FIGURE 5

WARNING! To avoid any damage to the Hinge Boring Head Attachment or the link-bar, do not turn machine on until you have verified for proper fitment of the male end of the link-bar in the female end.

- 4) Verify for proper fitment of the male end of the link-bar in the female end. Open the side cover (A) Fig.6, using your finger turn the spindle, if the 3 spindles of the Hinge Boring Head Attachment turn then the assembly was done correctly. If the 3 spindles do not turn, repeat the instructions on this page until the Hinge Boring Head Attachment is installed as described.

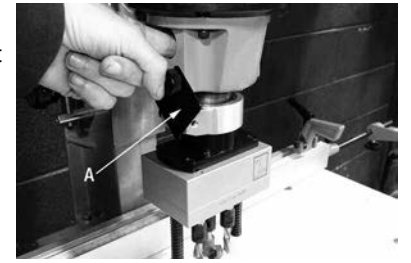


FIGURE 6

OPERATION

REPLACING MAIN BORING CUTTER OR BORING BITS

Boring cutters or bits are especially designed for Line Boring Machine spindles, they have brad points, spur cutters and a flat face.

- The included accessories are as follows:
- 35mm x 10mm shank boring bit (right rotation)
 - 8mm x 10mm shank boring bit (left rotation)
 - 8mm x 10mm shank boring bit (right rotation)

- 1) To remove a boring cutter or boring bit, loosen both set screws (A) Fig.7. Slide the boring cutter or bit (B) out of the collet.



FIGURE 7

- 2) Reinsert a new boring cutter or boring bit into the collet, align the flat face of the boring cutter or bit with the two set screws (A). Tighten set screws to secure the boring cutter or bit.



OPERATION & MAINTENANCE

OPERATION

SETTING UP FOR BLUM STYLE CUP HINGES

This Hinge Boring Head Attachment produces a Blum style 45mm-9.5mm three-hole pattern as shown in Fig.8.

The Line Boring Machine must be set up correctly, we also recommend making a test cut in scrap wood to verify measurements before drilling into an actual cabinet door.

The depth of cut and the setback distance must be adjusted first. Adjust the machine depth of cut and the position of the machine fence to set the setback distance, which is normally 20.5mm from the edge and the center point of the cup hole as shown in Fig.8.

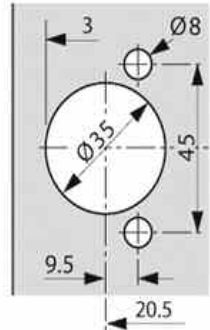


FIGURE 8

MAINTENANCE

LUBRICATION

Very little maintenance is required, always keep the Hinge Boring Head Attachment clean and free of wood chips and dust.

A grease fitting (A) Fig.9 located at the rear of the Hinge Boring Head Attachment is supplied for lubrication of the internal mechanism. Use a grease gun to inject 1-2 pumps of lithium grease into the grease fitting every 40 hours of operation.

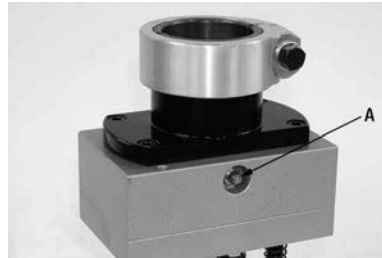


FIGURE 9

Note: We do **NOT** recommend disassembling and repacking the Hinge Boring Head Attachment with grease during its operational life. Reassembly is difficult and may reduce later accuracy or functionality of the moving parts.