

# WORK SHARP® KNIFE & TOOL SHARPENER

## KEN ONION EDITION

### BLADE GRINDING ATTACHMENT



Video Demos and Replacement Belts Available at:

**WORKSHARPTOOLS.COM**

### INSTALLATION:

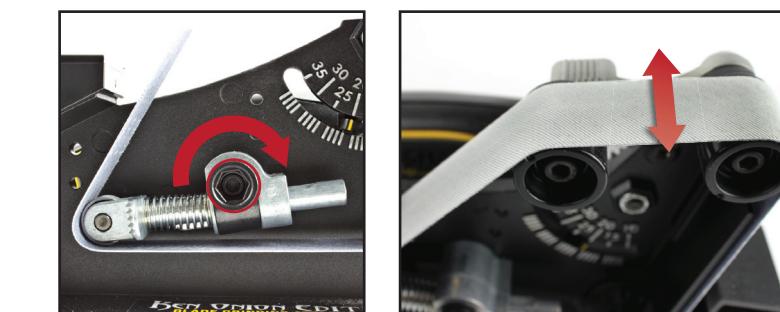
- 1** Push lock release lever & rotate knife sharpening cassette to remove cassette.



- 3** Install Hub Fastener onto drive shaft.



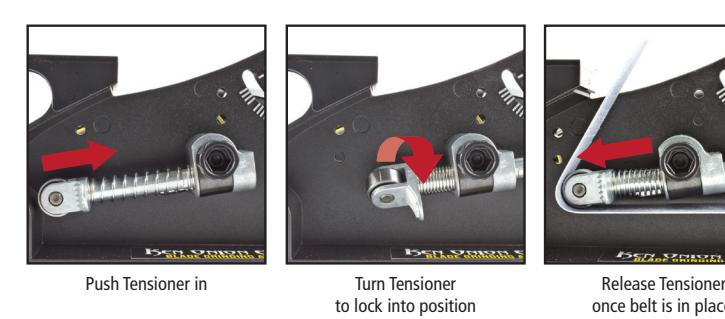
- 5** Use tracking knob to center belt on pulley.



- 2** Install Blade Grinding Attachment by aligning the chassis to the keyed "on / off" position then rotate into the "sharpening position".



- 4** Push in and turn tensioner clockwise to install / uninstall belt.



### SAFETY INFORMATION:

**Use only as directed in Work Sharp User's Guide.**

**WARNING:** To minimize the risk of injury, always use proper eye and respiratory protection. Use only as directed in Work Sharp User's Guide.

**WARNING! CHOKING HAZARD!**

Small Parts - Not for children under 3-yrs.

**WARNING:** This product contains a chemical known to the State of California to cause cancer. Some dust created by power sanding and grinding as well as contents from the machine may contain chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

**Darex, LLC**

210 E. Hersey St.  
Ashland OR 97520  
USA

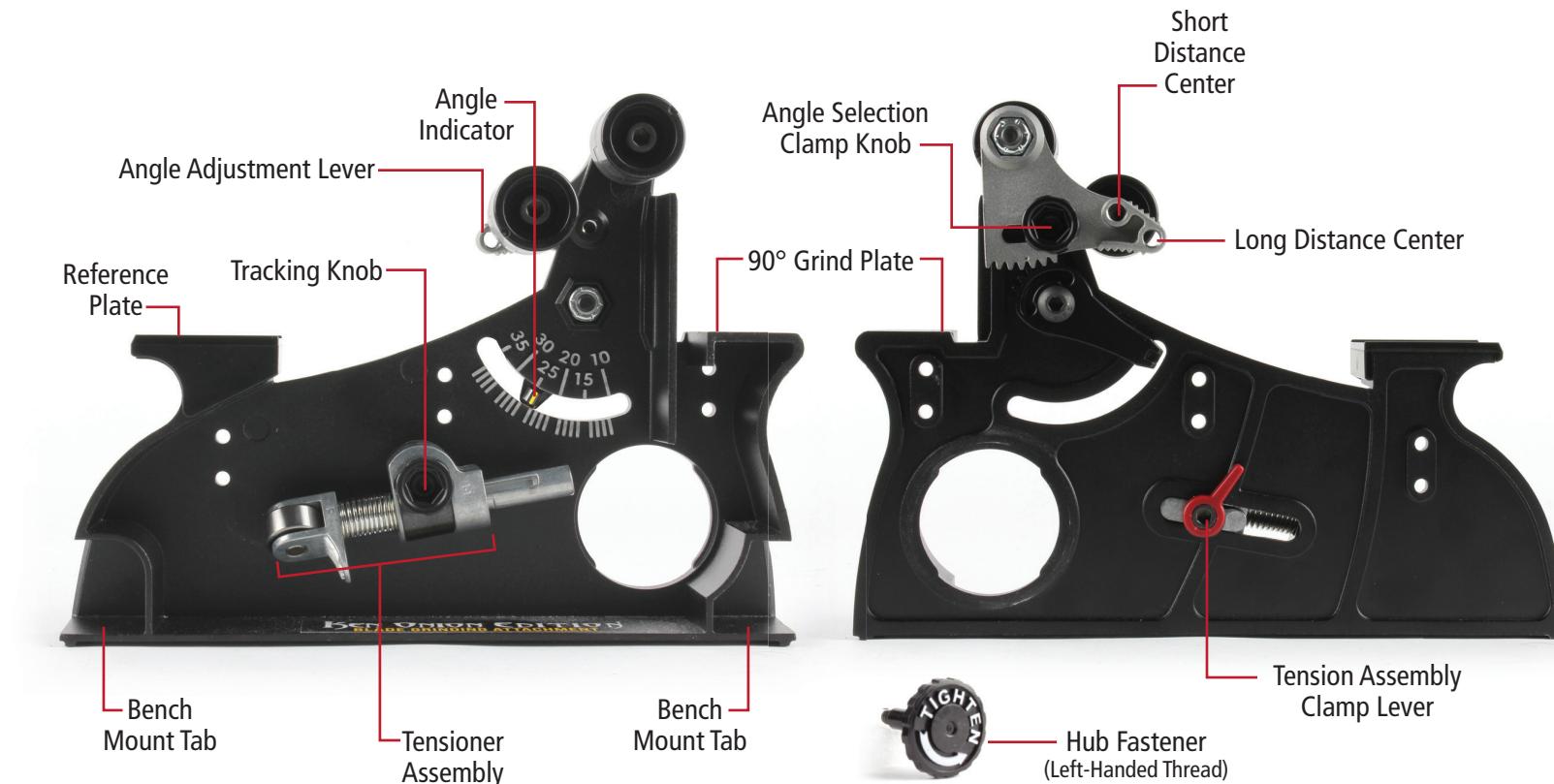
**Telephone:** 1 (800) 597-6170

**Fax:** 1 (541) 552-1377

**E-mail:** techsupport2@darex.com

**Internet:** www.worksharptools.com

### GET TO KNOW YOUR TOOL:



### BELT INFORMATION:

Included 1" X 18" belts are listed below. Replacement Belt Kits (WSSAKO8115) are available at select retailers and WorkSharpTools.com.

Grit: **X65 Grit | Coarse**  
Size: **Norax 65μ**  
Use: **Shape**

Grit: **X22 Grit | Medium**  
Size: **Norax 22μ**  
Use: **Sharpen**

Grit: **X4 Grit | Fine**  
Size: **Norax 4μ**  
Use: **Hone**

Grit: **12000 Grit | Extra Fine**  
Size: **SiC 1μ**  
Use: **Strop**

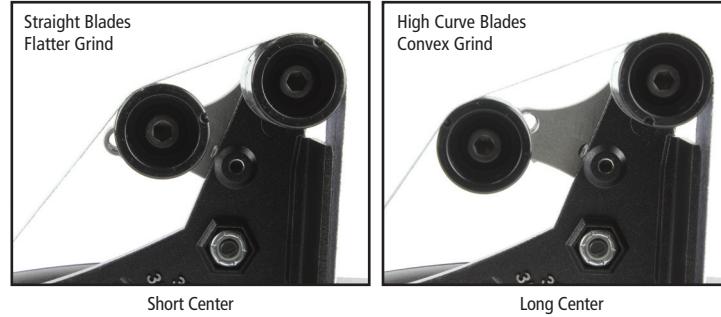
**Optional:** Use a clamp to secure to work bench.



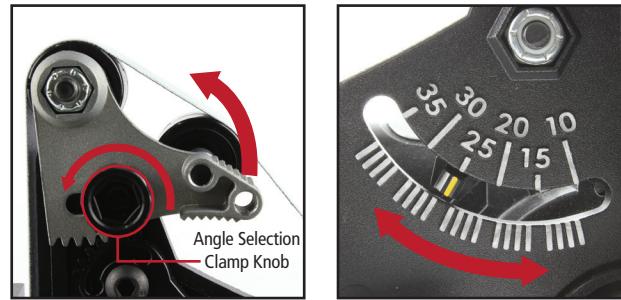
For reference, belts are equivalent to: X65 (P220) | X22 (P1000) | X4 (P3000)

## TOOL SET UP:

- 1 Choose either short or long center location for pulley depending on preference.



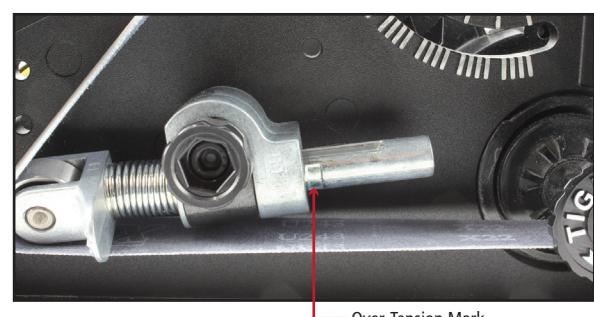
- 2 Set the desired sharpening angle, set tensioner into lock position, then move the Angle Adjustment Lever. Tighten Angle Selection Clamp Knob to secure selected angle.



## BEST TECHNIQUES:

Be mindful that accommodations will need to be made for every blade such as thumb studs, pocket clips, blade profile or handle design. Test run the blade through the process on both bevels without power first to ensure accommodations can be made before sharpening.

Do not over-tension belt or it may negatively affect belt tracking. If Over-Tension Mark is visible, lower tension.

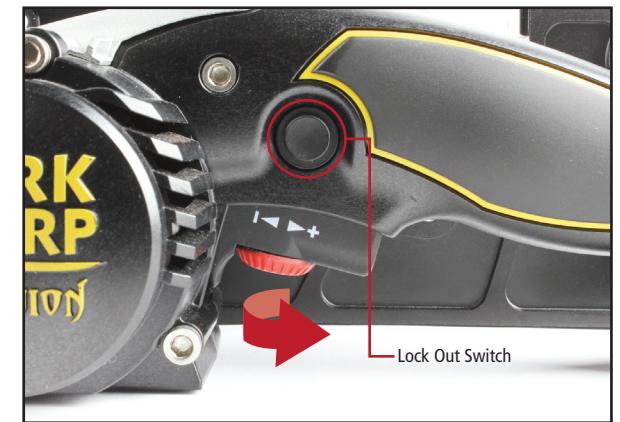


Use a clamp to secure to work bench.

During heavy grinding, do not over-heat the blade.

- 3 Choose and mount a belt based on the task at hand (see Belt Information Section for details).

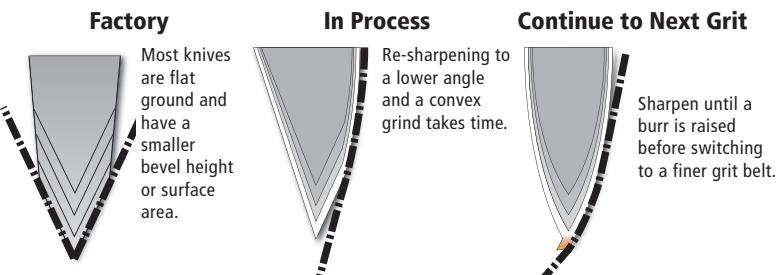
- 4 Turn on power at medium speed and press switch lock out button.



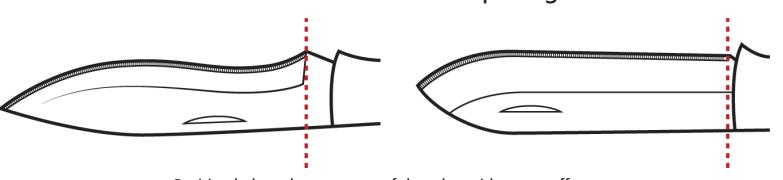
- 5 Ensure belt is properly tracking so it is centered on the pulleys.

The tool is ready for use. Continue to Sharpening Section.

## Sharpening Process:



Follow the curve of the knife when sharpening for best results.



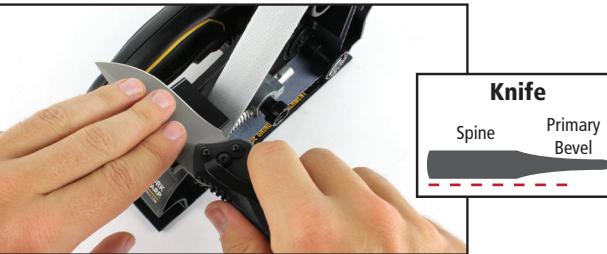
Follow the curve of the knife when sharpening for best results.

Masking tape can protect blade from scratching during sharpening.

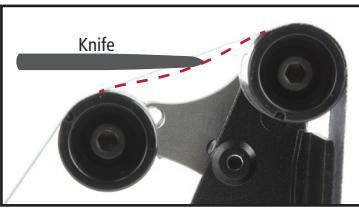
Use a practice knife to learn.

## SHARPENING:

- 1 Place spine of the blade flat onto reference plate. While keeping blade flat, move up onto belt surface and place the heel of the blade edge onto the abrasive.



Use very light pressure on belt (1/16" deflection).



- 2 Move blade flat across abrasive (1" per second) and stop the tip on the middle of the belt. Then pull blade away from the belt.

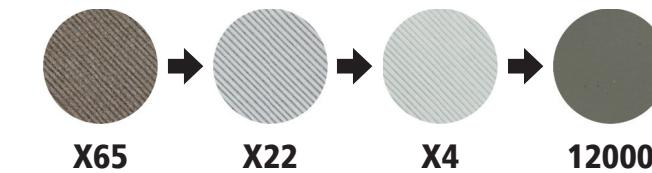


- 3 Continue sharpening the same side of the blade until a burr is raised along entire edge (count strokes).



- 4 Repeat same number of strokes on other side of blade.

- 5 Continue up the grit scale until desired sharpness is achieved. Ensure tracking and tension is properly set when you change belts.



## ACCESORY LIST:

WSKTS-KO Blade Grinding Belt Kit (1" x 18" belts): WSSAKO81115

Individual Extra Coarse P120 Grit Belt (1" x 18" belts): PP0002770

Individual Coarse X65 Grit Belt (1" x 18" belts): PP0002940

Individual Medium X22 Grit Belt (1" x 18" belts): PP0002942

Individual Fine X4 Grit Belt (1" x 18" belts): PP0002943

Individual Extra Fine 12,000 Grit Belt (1" x 18" belts): PP0002952

Leather Belt Kit (1" x 18" belts with .5μ compound): WSSA0002782

## WARRANTY:

1-year warranty on all WORK SHARP® components; excludes abrasives. Warranty for consumer not industrial use.

- c) Problem: How do I feel for a burr at the cutting edge to know when to proceed to a finer belt?

Solution: Slide your finger perpendicular and away from the cutting edge. The burr will feel like a small 'ridge' or 'wire' at the edge. See image in the Sharpening Section, Step 3.