

# RX-80

# THE WEBCUTTER HOT KNIFE



Model shown:  
RX-80-BDL-WK  
5" Standard Brass Knife, 120V  
(see custom configurations on back)



## DESCRIPTION

The RX-80 is a general purpose industrial and configurable Hot Knife which will cut and seal woven and knitted synthetic materials to prevent fraying. It cuts all types of synthetics such as nylon, polyester, and polypropylene webbings; slings, braid, elastics, strap, ribbon, hook & loop, rope, shock-cord and cordage.

To operate, simply slide the material across the base plate and bring the handle down to cut and seal with minimal effort. Cutting time is usually less than one second, depending upon the material thickness and heat setting.

Modular design may be configured for your application, with choice of straight or shaped knives, heat controller and operating voltage.

## STANDARD FEATURES

- Rugged all-metal construction is extremely durable, yet lightweight.
- Configurable design
- Adjustable edge guide(s) for cutting alignment
- Operating temperature to 900° F (480°C)
- Fused and grounded for electrical safety; all components are UL , CSA and/or CE listed.
- Power lamp indicates when the power is on
- Also available in 240V with power plug for any country

Standard straight knife size is 5" (128mm). Additional knives and custom tooling are may also be supplied.

*See back for additional tooling options.*

## GENERAL SPECIFICATIONS

Std. Power Supply	120VAC, up to 600W max.
Throat Opening	10" (250 mm)
Working Temperature	up to 900° F (480°C)
Base Dimensions	6" x 12" (150mm x 305mm)
Overall	6"W x 12" H x 14" D (15cm x 30cm x 36cm)
Net Weight	7.5 lbs. (3.4 kg)
Gross Weight:	9 lbs. (4.0 kg)

*(specifications vary by model  
and are subject to change without notice)*

**Manufactured in the USA by**



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# RX-80 CONFIGURATIONS & OPTIONS

## OTHER VERSIONS AVAILABLE

There are many custom configurations of this popular Hot Knife. Below are just a few examples of some commonly requested models:

### **RX-80-BDL-WK** *Standard 5" (128mm) brass knife, 120V*

This general-purpose hot knife is our most popular model and will cut the greatest variety of materials. Extremely efficient knife design cuts thin and thick materials using only 300 watts.

### **RX-80-SAL-WK** *Heavy duty 5" (128mm) ss knife, 120V*

This model incorporates a heavy duty stainless steel knife for long knife life. The narrow knife edge profile is suitable for thick materials.

### **RX-80-SBL-WK** *Standard 5" (128mm) ss knife, 120V*

Use this model for synthetic ribbon, thin nylon and polyester, and all types of polypropylene webbings. The efficient wide stainless steel knife profile is designed for extremely long life.

### **RX-80-S33-WA** *Shaped ss knife, up to 3" (76mm), 230V*

Cut custom shapes, such as half-round, bullet-nose, fishtail (V), pointed, or beveled ends, up to 3" (76mm) wide with this model. Wider shapes may also be supplied.

Visit our website – [www.thewebcutter.com](http://www.thewebcutter.com) – to configure this model to your particular specifications.

Questions? Ready to place an order?  
Contact us today!



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**Designed & Manufactured in the USA**

## TOOLING CONFIGURATIONS

Change the 3-digit tooling code to the RX-80 to reconfigure this model to your requirements. Just a few examples are:

Description	Code
Single/double "V" knife, up to 3.25" (85mm)	D33
Heavy-duty 5" (128mm) ss knife	SAL
Heavy-duty 5" (128mm) brass knife	BAL
Standard duty 5" (128mm) ss knife	SBL
Shaped ss knife, 2" x 3" (50x76mm)	S33
Button-hole slitting knife, up to 1.5" (38mm) long	SV1
Magnesium embossing or cutting die, 2" x 3" (50x76mm)	M33

Additional Tooling Codes can be found on our website.

## KNIFE & PUNCH SIZES

Hot knives are available in several standard sizes. Standard knives are **5" (128mm)**, **8" (200mm)**, **10" (254mm)** and **16" (400mm)**. Custom knife shapes and lengths are also available.

Round hole punches have a working length of **1/2" (12.8mm)** and are available in standard diameters of **1/8" (3.2mm) through 1/2" (12.8mm) in increments of 1/32"**. Larger sizes are also available as are custom and metric sizes. Some common sized slot punches are stocked and can also be made to order as needed.

## THERMAL CONTROLLER

Three types of controllers are available for use on the RX-80:

- **Basic controller (type W)** is inexpensive and provides a simple means of broadly regulating the operating temperature for tools that require up to 600W of power.
- **Heavy duty (type S)** is used for operating loads up to 1500W.
- **Digital/PID controller (type D)** is used when fine temperature control and/or higher heating load is required. This type includes a type K thermocouple.

## INTERNATIONAL / 230V MAINS

This model can be equipped to operate on 120V 60Hz or 230V 50Hz for use in any country and will be fitted with appropriate mains plug. **Plug codes A - K determine plug and voltage.**