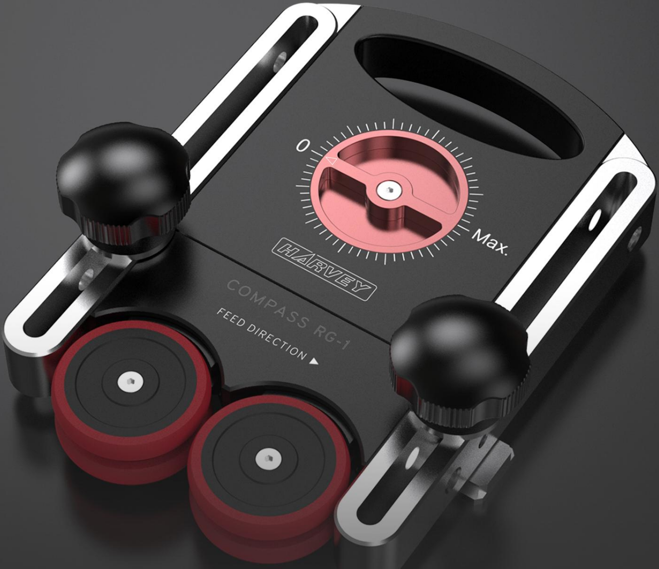
HARVEY®

COMPASS RG-1 / RG-2
Universal Roller Guides

A NEW IDEA FOR SAFER CUTTING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COMPASS RG-1
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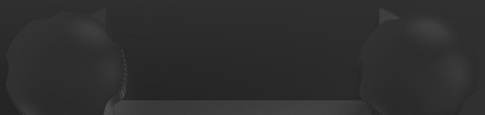
“Good Enough Is Not Enough”. Harvey team never stops thinking of better tools for woodworking. The Compass Universal Roller Guides are the brand new results from the new ideas!

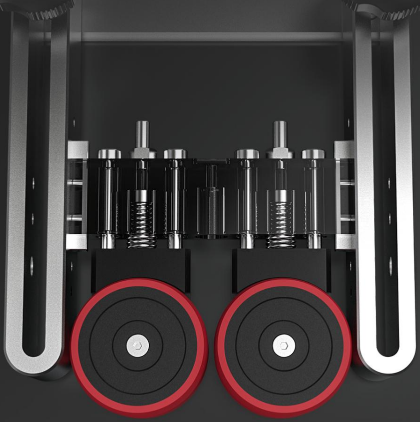
During wood cutting, it is always essential to have a device to hold the workpiece firmly and evenly to the fence. It will eliminate stock chattering, ensure cutting quality and most importantly protect your fingers from being damaged. However, most of the devices on the market (such as the featherboards) cannot handle this job ideally for the purposes. They either cannot provide enough holding pressure to the stock, or cannot provide even pressure to the stock. Also their installations and adjustment are not user-friendly.

We are excited to introduce the brand new Compass Universal Roller Guide which will act as an ideal workpiece holder for safety and quality cutting. Harvey Compass Roller Guides have two models RG-1 and RG-2 for different thickness ranges of stocks.

Each Compass Roller Guide features two guiding rollers to hold the workpiece during cutting. Obviously the two rollers make hand feeding much more comfortable compared to the featherboards with sliding frictions. Also the two rollers are riding on 2 One-way bearings which have much bigger reverse resistance to reduce the risk of kickbacks. The unique Independent Suspension Mechanism (ISM) enables the two rollers to keep even vertical pressure to the workpiece during cutting, this will greatly prevent workpiece chattering. Moreover, the holding force is infinitely adjustable (15 – 22 lbs) through an intuitive adjusting knob which gives you the optimized holding force for different cutting scenarios. The RG-1 and RG-2 Roller Guides are greatly versatile for different applications such as table saw cuttings, bandsaw cuttings, router table cuttings and shaper cuttings. Like every other Harvey products, Compass Universal Roller Guides are designed and manufactured with the best possible structure, aesthetics, materials and accuracy. We are confident that the Compass RG-1 and RG-2 will be your lovely buddies for your safe and enjoyable woodworking.

Independent Suspension Mechanism (ISM)





The Compass Universal Roller Guide features a unique ‘Independent Suspension Mechanism’ -- each roller is fitted with a pre-loaded spring independently, which allows the two guide rollers to move independently to adapt the dynamic stock surface with even holding pressure.

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Infinite Holding Force Adjustment

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With the Self-locking Cam Structure, you can infinitely adjust the holding force by rotating the adjusting knob to get the optimized holding pressure for your specific cutting scenarios. The holding force adjustment range is approximately 15 – 22 lbs (70 – 100 N) which fits different cutting scenarios.

One-way Roller Bearings

Each roller is riding on a one-way roller bearing to ensure the roller only rotates in the feed direction for effective kickback prevention.

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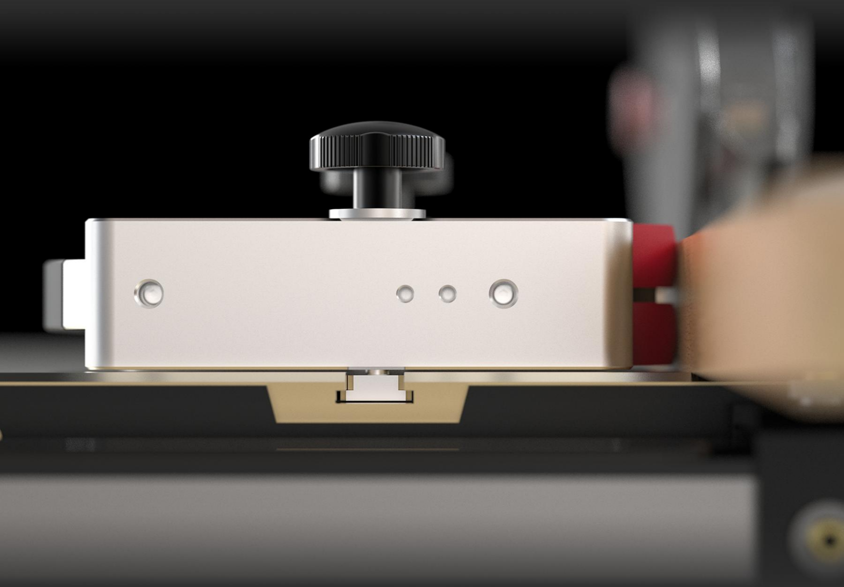
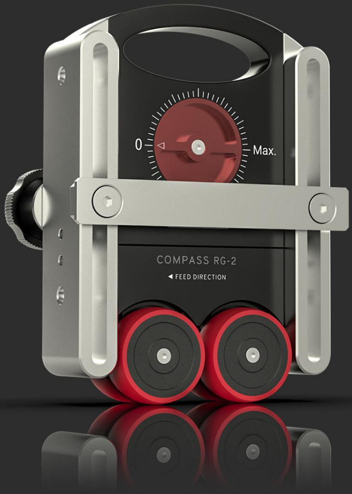
To prevent the kickback much better, the tires of the rollers are specially made of polyurethane rubber which can enhance the superior grip friction while bringing no damage to the stock.

Seamless T-slot Mounts



The precision Bridge-Type T-slot bar equipped on the body is able to eliminate the lateral movement of the body in mounting to the worktable, which ensures both of the rollers touch the stock with even pressure for high cutting stability.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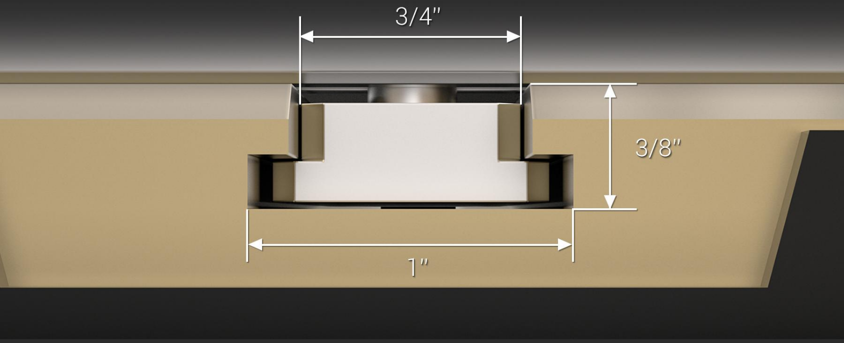
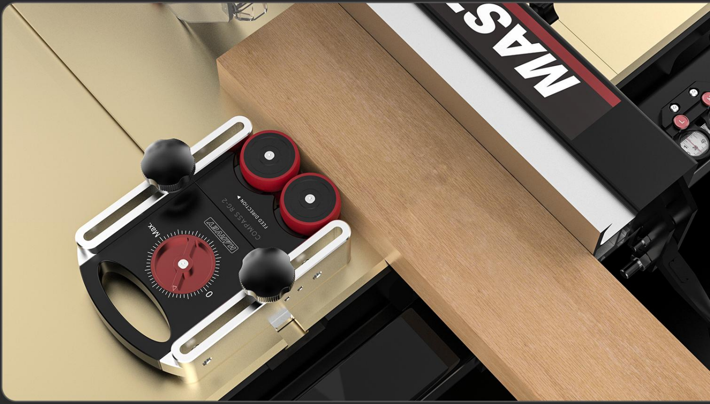


Versatile Applications

The Compass Universal Roller Guides can not only be used on all Harvey's table saws, band saws and wood shapers, but also any other woodworking machines with the standard T-slot (3/4" x 3/8").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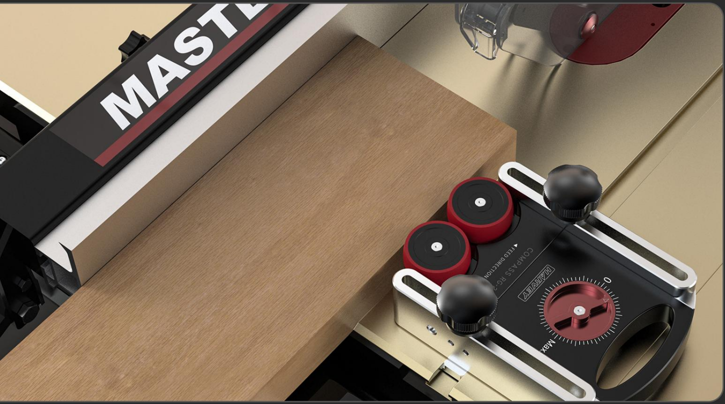
The Universal Roller Guide on the left side of table saws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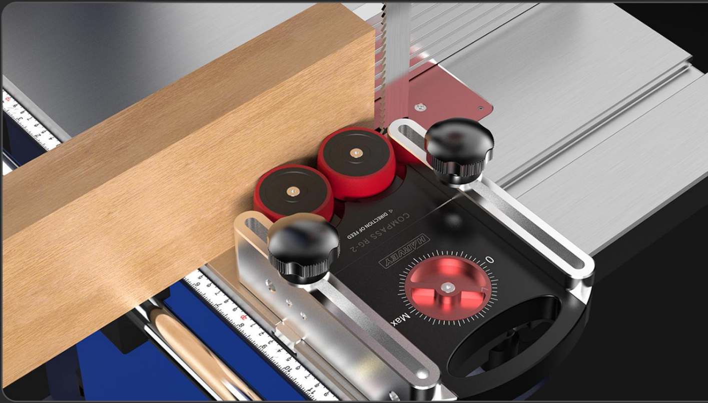
The Universal Roller Guide on the right side of table saws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The Universal Roller Guide on band saws

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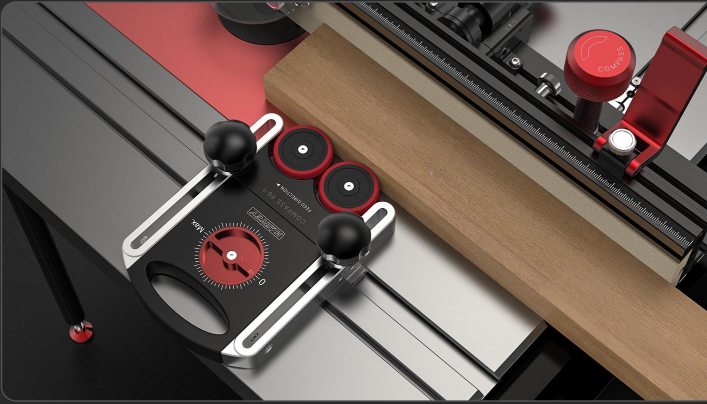
The Universal Roller Guide on wood shapers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The Universal Roller Guide on router tables

Suitable for Multiple Thickness

The recommended thickness
range of stock for RG-2: 1/16"~4"

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The recommended thickness
range of stock for RG-1: 1/16″~2″

The Universal Roller Guide has two versions (RG-1 & RG-2) with different thickness (1″&2″) available for using on thin or thick stock. For RG-1, the recommended stock thickness range is 1/16″~2″; for RG-2 the thickness range is 1/16″~4″.

Anodized Aircraft-grade Aluminum

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The main body of RG-1and RG-2 is made of anodized aircraft-grade aluminum with high precision machining and beautiful anodizing.

Specifications

Model	RG-1	RG-2
Main Body Thickness	1" (25.4 mm)	2" (50.8 mm)
Recommended Stock Thickness	1/16"~2" (2~51 mm)	1/16"~4" (2~102 mm)
Roller Travel	6.5" (165 mm)	
Roller Diameter	2" (50.8 mm)	
Compatible T-slot Size	3/4" x 3/8" x 1" (19.05 x 9.525 x 25.4 mm)	
Roller Pressure	70~100N	
Overall Size	8-3/4" x 6-57/64" x 2-41/64" (222 x 175 x 67 mm)	8-3/4" x 6-57/64" x 3-5/8" (222 x 175 x 92 mm)
Weight	4.2 lbs (1.9 kg)	5.5 lbs (2.5 kg)