

## How to Determine if the Veritas® Bit Jack Will Fit Your Router

Due to the vast selection of router models available, it has become impractical to maintain an accurate list of routers that are compatible with the bit jack.

To determine if the bit jack will fit your router, it must meet all of the following requirements:

1. The router must be a plunge router that has an exposed adjust rod. Body-type routers with accessory plunge bases are not suitable.
2. The threaded depth adjust rod needs to be exposed such that the top 1" of thread is accessible for mounting the bit jack. Many current plunge-router models have an integrated depth adjust knob on top of this rod. If the knob is removable, you should be able to install the bit jack, provided all other requirements are met.
3. The router must have an M8 × 1.25, M10 × 1.5, M12 × 1.75 or 3/8-16 UNC threaded rod. To check the thread pitch of your router, you can compare it to the silhouettes shown in **Figure 1**. Alternatively, you can use a standard thread gauge, or thread a nut of appropriate size onto the rod.

### Printing Instructions



*To check that the silhouettes are printed at proper scale, measure between the corner marks at the bottom of this page and ensure the distance between matches the value given.*

**M8 × 1.25**

**3/8-16 UNC**

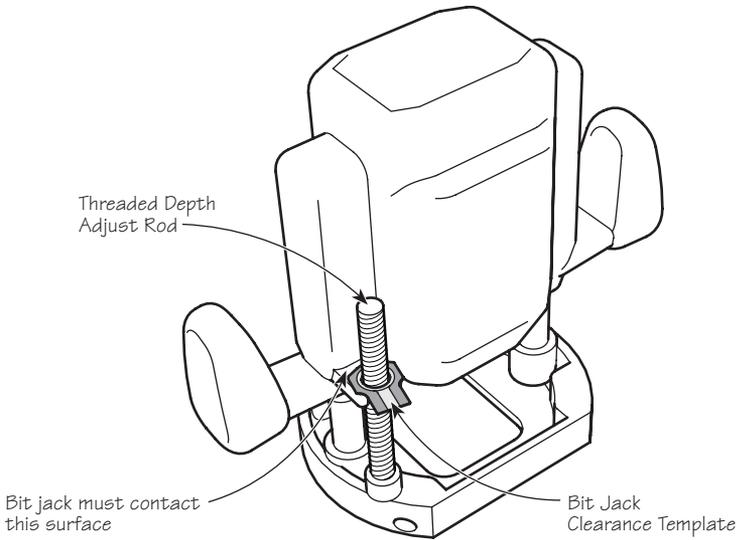
**M10 × 1.5**

**M12 × 1.75**

**Figure 1: Thread pitch.**

Bit Jack	Thread Pitch	Thread Outer Diameter
05J24.40	M8 × 1.25	7.76mm to 7.97mm (0.306" to 0.314")
05J24.22	3/8"-16 UNC	0.359" to 0.375"
05J24.20	M10 × 1.5	9.73mm to 9.97mm (0.383" to 0.392")
05J24.21	M12 × 1.75	11.70mm to 11.97mm (0.461" to 0.471")

- The area surrounding the depth adjust rod should be reasonably flat and strong enough to allow the bit jack to bear against it without binding. A cast motor housing is ideal; however, the plastic housing on most high-end routers should also be strong enough.



**Figure 2: Checking clearance between the rod and the motor housing.**

- There must be enough clearance around the depth adjust rod. A template is provided to quickly judge if there is sufficient clearance between the rod and the housing. Simply cut the template provided, and slip it onto the adjust rod.

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# Bit Jack Clearance Template

## Printing Instructions



*To check that the template is printed at proper scale, measure between the corner marks at the bottom and right of this page and ensure the distance between matches the value given.*

