

DeWalt Router

Description	Router – DW618 – Variable Speed
Size / Horse power	2.25HP / 8,000 – 24,000 RPM
Power source	120 Volts
Uses	Cutting edges on wood, laminate covered wood and some plastics

Safety Precautions

Hazards
Flying debris (potential eye damage)
Electrical shock
Amputation
Entanglement of hair or clothing
Training
Shop Safety Fundamentals
Site Specific Training
Protective Equipment
Safety glasses
Hearing protection
Avoid loose fitting clothing
Tie back long hair



Operation

Startup

1. Put on PPE listed above
2. Ensure work area is clean and free of obstacles
3. Make necessary adjustments for safe operation
4. Inspect the tool for damage or obstructions to operation
5. Select desired speed by referencing the “Speed Selection Chart”
6. Turn “ON” router by switching the toggle switch to the “ON” position
7. Keep hands clear of bit

Shutdown

1. Turn “OFF” router by switching the toggle switch to the “OFF” position
2. Allow the bit to come to a complete stop on its own
3. Remove router from work piece

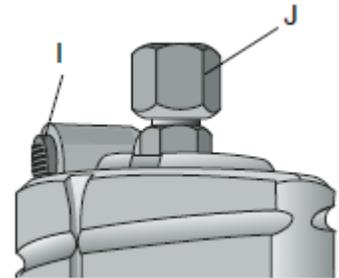


Maintenance

Storage	
Care	Clean off router after you are done using. Always use a sharp bit <ul style="list-style-type: none"> • Vacuum excess wood chips and saw dust • Apply metal protectant to the table periodically
Accessories	<ul style="list-style-type: none"> • Collet Wrench • Shaft Wrench

Installing / Removing Cutters

1. **Disconnect router from power supply**
2. Hold the spindle shaft while turning the collet nut (J) counterclockwise with the provided wrench. Hold the spindle by depressing the spindle lock button (I)
3. The self-releasing collet nut will turn approximately 3/4 of a turn and then become tight again. Continue turning the collet nut counterclockwise until the bit can be removed
4. Insert the round shank of the desired bit into the loosened collet as far as it will go and then pull it out about 1/16"
5. Using the wrenches provided, turn the collet nut (J) clockwise while holding the spindle shaft by depressing the lock button (I)



Variable Speed Control

1. To increase the speed and torque of your router, turn the variable speed control selector to a higher setting. Refer to the **"Speed Selection Chart"** for reference

Material	Cutter Diam.	SPEED SELECTION CHART					
		Setting 1 8,000 rpm	Setting 2 12,000 rpm	Setting 3 14,000 rpm	Setting 4 18,000 rpm	Setting 5 21,000 rpm	Setting 6 24,000 rpm
Model # DW618 Hardwood, e.g., oak	Small (1/2")	-	-	O	X	XX	X
	Medium (1/2"-1 1/8")	-	-	O	XX	X	-
	Large (over-1 1/8")	X	XX	O	-	-	-
Softwood, e.g., pine	Small (1/2")	-	-	O	X	XX	XX
	Medium (1/2"-1 1/8")	-	O	X	XX	XX	XX
	Large (over-1 1/8")	X	XX	O	-	-	-
Plastic-laminated chipboard	Small (1/2")	-	-	O	X	XX	XX
	Medium (1/2"-1 1/8")	-	O	X	XX	XX	XX
	Large (over-1 1/8")	O	XX	X	-	-	-
Plastics/Solid Surface	Small (1/2")	-	O	X	X	XX	XX
	Medium (1/2"-1 1/8")	-	O	XX	XX	X	X
	Large (over-1 1/8")	X	XX	O	-	-	-

This table can serve only as a guide, since wood was a living material. Within the same species of timber hardness and density vary. Speed settings are approximate.

KEY: XX very good X good O Satisfactory - not recommended

Set Depth of Cut

1. **Disconnect router from power supply**
2. Select and install the desired bit
3. Open the locking lever (D) and turn the depth adjustment ring (B) until the bit just touches the work piece. Turning the ring clockwise raises the cutting head while turning it counterclockwise lowers the cutting head
4. Move the adjustable scale clockwise (C) so that 0 on the scale is located exactly above the pointer (Z) on the base
5. Turn the depth adjustment ring along with the adjustable scale to the desired depth. Note that each mark on the scale represents a depth change of 1/64"
6. Close the locking lever (D)

