

Tools

Formica® Solid Surfacing Basic Tool List

	Tools	Number Needed	Basic Use
Saws	Table saw, 10 in. (254mm) or larger with a carbide, triple chip blade and a 6 in. (152mm) blade stiffener.	One	For cutting edges, backsplashes, etc.
	7 1/4 in. (184mm) wormdrive Skilsaw® model HD77M hand saw with carbide blade.	One	For rough cutting of sheets.
	Bosch® #1581VS or DVS saber saw with a 10-14 tooth bimetal, up-stroke cutting blade.	One	For rough cutting of curved sections.
Routers	Porter-Cable® #7518 Speedmatic® or Bosch® #1611 3 1/4 HP, 1/2 in. collet.	One	For seaming, routing edges, sinks, etc.
	Porter-Cable® #690, 1 1/4 HP or Bosch® #1604, 1 1/2 HP.	One or Two	For profile and light routing.
	Porter-Cable® #310 trimmer set up with a ski base and 3/4 in. (20mm) mortise bit.	One	For routing off excess seam adhesive.
Belt Sander	Porter-Cable® #362 or #363 or Bosch® #1273D or #1273DV with 4 in. x 24 in. (102mm x 610mm) belts.	One	For dressing down backside of shop seams, removing large amounts of material, sanding to a scribe line, etc.
Random Orbital Sanders	Electric Porter-Cable® #7335, 5 in. (127mm), hook-and-loop base, variable speed.	One	For sanding out sink and bowl edges.
	Electric Bosch® #1370 DEVS with RS6020 6 in. (152mm) hook-and-loop pad or Fein 6 in. (152mm) hook-and-loop sander.	One	For sanding down seams and flat surfaces in shop or on-site.*
	Pneumatic (air) Dynabrade Dynorbital® #56007/56012, 5 in./6in. (127mm/152mm) or hook-and-loop (available with self-contained dust collection).	One	For sanding down seams, flat surfaces, bowl edges (5 in. model). Best for handling on edges due to low profile.

*These sanders, if equipped with a vacuum system, can greatly reduce the amount of air-born dust generated during shop and on-site finishing operations.

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Clamps	Pony® #3202, 2 in. (50mm) spring clamps.	Ten Dozen, min.	For clamping edges.
	Adjustable clamps with 12 in. (305mm) opening, 4-6 in. (102mm-152mm) throat.	Six	For clamping kitchen sinks, straight edges, templates, backsplashes, etc.
	Adjustable clamps with 18 in. (457mm) opening, 3 in. (76mm) max. throat.	Two	For clamping through drain while bonding undermount kitchen sinks.
	Vice-Grip Model 18R or 18DR welder's clamps	Six (optional)	For rapid clamping of undermount kitchen sinks.
Basic Carbide Router Bits	Velepec #10-285, 2 flute, 1/2 in. (12mm) shank, 1 in. (25mm) face.	Two	For routing seams in 1/2-3/4 in. (12mm-20mm) sheets.
	Velepec #10-320, 2 flute, 1/2 in. (12mm) shank, 2 in. (50mm) face.	Two	For routing seams in tops with 1-1/2 in. (4cm) front edges, routing edges after gluing, etc.
	Velepec #10-290, 1 flute, 1/2 in. (12mm) shank, 1 1/4 in. (31mm) face, 1/2 in. (12mm) wide.	One	For routing out drop-in range cutouts, etc. requiring 1/4 in. (6mm) radius corners.
	Velepec #14-150, 2 flute, 1/2 in. (12mm) shank, 1 1/2 in. (38mm) face, bearing guide.	One	For routing out reinforcing corner blocks in drop-in range cutouts, etc.
	Velepec #14-160, 2 flute, 1/2 in. (12mm) shank, 2 in. (50mm) face, bearing guide.	One	For template cutting of inside and outside corners, etc.
	Formica® Brand KSST stagger tooth cutter with tapered plastic bearings. (Formica® part #S6201003)	One	For routing out center of sinks and lavatory bowls.
	Formica® Brand LBBN bullnose cutter (Formica® part #S6201005)	One	For routing out a bullnose overhang above undermount kitchen sinks and lavatory bowls.
	Velepec #30-165, 1/2 in. (12mm) shank, bowl bit	One	For routing BK420 sinks.

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Basic Carbide Router bits	Formica® Brand KSRO roundover cutter with a tapered bearing. (Formica® part #S6201001)	One	For routing roundover profile on kitchen sinks and lavatory bowls.
	Formica® Brand VTUMN-RO roundover cutter for Model V065 and V075 bowls. (Formica® part #S6201020)	One	Specific profile cutter for use with Model V065 and V075 lavatory bowls.
	Velepec file #75719 custom 3/8 in. (1mm) radius cove bit.	One (optional)	For routing covered backsplashes with a router table set-up.
	Amana Tool® #45986 1/4 in. (6mm) radius cove bit.	One (optional)	For routing covered backsplashes with a router table set-up.
	Assorted selection of roundover profile carbide cutters.	As Needed	For edge profiles.
	Assorted selection of ogee and reverse ogee carbide cutters.	As Needed	For edge profiles.
	Carbide 45° chamfer bit with bearing.	As Needed	For edge profiles, chamfering reinforcing strips, corner reinforcement blocks, etc.
Misc. Tools	Electric or battery-operated hand drill with assorted drill bits, hole saws, etc.	One	For various drilling operations (holes for faucets, etc.)
	3M Polygun® TC with Jet-melt™ 3738-Q adhesive sticks.	One	For temporary gluing of glue blocks, etc. during fabrication operations.
	Stationary belt or disc sander.	One	For squaring drop edge butt joints.