

O Flute Router Bit Sales Sheet

Ekstrom Carlson & **FASTENAL**

CONFIDENTIAL



Now available through
FASTENAL

Why an O Flute?

Curls chip during machining process. High rake. Low clearance. Excellent finish. Higher speed machining.

Conventional cutting is preferred to eliminate burrs, not climb cutting. Can cut without a coolant on plastics and aluminum.

Why not an Endmill?

A typical metalworking end mill does not have the proper geometry with too low of rake, minimal clearance, and minimal flute area for clearing chips.

Applications

Hard Plastics
Soft Plastics
Aluminum

Potential Customers

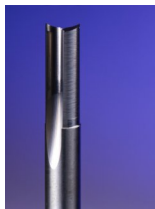
- Thermoformer
- Point of display manufacturer
- Sign manufacturer
- Moldable products
- Aerospace
- Medical devices

- Plastic products
- Contract manufacturing
- Containers
- Decking
- Fencing
- Plastic gears

- Spacers
- Shops with CNC routers
- Shops with CNC mills machining plastics and aluminum
- Onsrud, Vortex, and other router bit customers

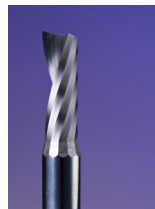
Why Ekstrom Carlson ?

ISO 9001, high quality, Computerized CNC optical inspection, volume production, stocking, solid carbide and HSS, Competitive pricing and lead-times, customs available, engineer to improve performance, continuous improvement, fast support, Fastenal partner.



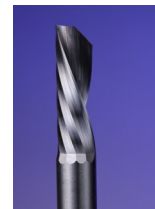
Straight Flute

Does not pull our push chip away from spindle. Use a good vacuum to remove chips. Not for aluminum. No up or down forces on the part makes this tool good for irregular shaped parts that are hard to fixture.



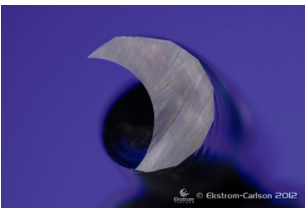
Upcut Flute

Pulls chip towards spindle. Flat sheet or block applications. Avoids welding. Better plunging than straight.



Downcut Flute

Pushes chip away from spindle. Helps to keep material pushed against fixture or table.



1 Flute

Best choice for most applications and good for small diameters. Good flute clearance for chip evacuation.



2 Flute

Better for tools over 3/8" and better for bottom finishing in slotting applications. Can help with longer cut lengths with deeper cuts and harder plastics since 2 flute tools have a thicker cross section.



We offer Cutting Tools, Manufacturing & Sharpening, Spindle & Live Tool Repair, Coolant Spray Systems, Router and Saw Motors. Read more about it all at ekstromcarlson.com



5248 27th Ave. Rockford, IL 61109



Call Now (815) 394-1744