



ESSENTIAL CHANNEL BIT

www.essentialpro.net | 800-331-8811

A specialized bit offering more accuracy and less pass throughs for milling steel plates.



Essential Channel Bit

TECHNICAL INFORMATION

- Available in 15 different widths between .045" and .118".
- Designed for milling cutting plates in a single pass for channel width with depth per pass up to .004".
- Milling speed is 300 IPM at 40k RPM with PowerPlates.
- Shank Diameter is .25".

Back when using a milled Steel Cutting Plate was rare, it didn't make sense to have a bit manufactured specifically for that application.

Now, with the growing use of Steel Cutting Plates like our PowerPlate, we chose to go beyond the generic bits previously used and create a bit designed specifically for this application. Our Essential Channel Bits have the proper helix, angles, and flute design to allow for faster milling and accurate channel widths with virtually no deflection. Depending on the number of channels on the plate, typically 2-4 plates can be milled using an Essential Channel Bit.

The EP Channel Bits are available in the following widths:
.045, .052, .054, .057, .060, .062, .063, .065, .068, .071, .075, .080, .083, .090, .118

rotary boards

Rayform Rotary
TruLine Rotary
Exact Rotary
Maple Rotary
Beech Rotary

flat boards

Rayform DuraCore
Rayform PolyCore
Rayform DuraPly
Exact Board
Premium Maple
Standard Maple
Premium Euro Birch
Premium Coated Euro Birch

specialty products

EP CounterPlate
DuraBlanker
One Step Perma-Bond
PowerPlate
EP Channel Bits

Notes: Sold by the piece. Essential Products also offers the Essential Engraving Bit .063. Speak to an Essential Products Representative for more information.

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