

Product Specification Drilling



Reduced Shank Silver & Deming Drill Chicago-Latrobe[®] General Purpose Styles 190, 190F



Style 190 (black oxide, round shank)

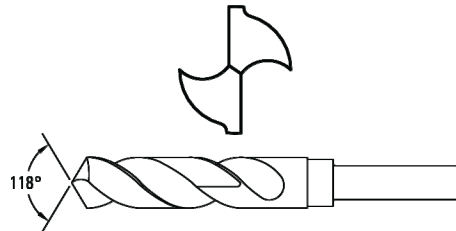


Style 190F (black oxide, flatted shank)

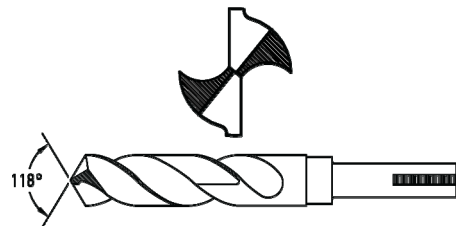
Features/Benefits:

- Larger size general-purpose drills with 1/2" reduced shank.
- Manufactured from premium high-speed steel.
- 118° point; style 190F features 118° split point through 1-1/4" size.
- Round shank or shank with three flats for a more positive grip in the drill chuck; flats reduce drill slippage under high load.
- Standard 6" overall length and 3-1/8" flute length for increased rigidity, less deflection, and better hole accuracy.
- Standardized lengths result in minimal adjustment during tool changes in screw machines and machining centers.
- Ideal for portable drilling due to increased rigidity.
- Available in fractional sizes and in sets.

190 118° General Purpose Point



190F 118° Split Point



Application Information:

- carbon steel
- cast iron
- alloy steel
- wood
- Use wherever maximum chuck capacity is 1/2".

Surface Treatments

- Black oxide surface finish increases wear resistance and adds lubricity, improving chip flow.
- Black oxide finish standard from stock; alternate coatings available as stock modifications.



8-piece Black Oxide Set

