

# Other Tools

## Countersinks

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### Single-Flute and Three-Flute Countersink Styles 209SF and 213

#### Features/Benefits:

- Designed to countersink, chamfer, deburr, and enlarge holes in sheet metal.
- Use single flute countersinks in holes too small for multi-flute countersinks. Use multi-flute countersinks in much larger size holes.
- Manufactured from premium high-speed steel.
- Single-flute available with 82° and 90° point angles; three-flute available with 82°, 90° and 100° point angles.
- Black finish with bright point.

#### Application Information:

- tool steel
- alloy steel
- cast iron
- Recommended for portable applications and machine work.
- Operate at high speeds and light feeds for best results.

#### Surface Treatment Information:

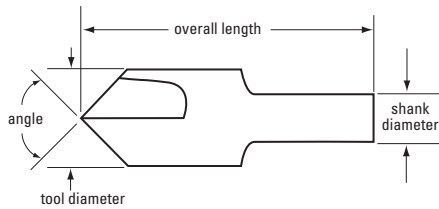
- Black oxide surface finish increases wear resistance and adds lubricity, improving chip flow.



Style 209SF Single-Flute



Style 213 Three-Flute



#### STYLE 209SF SINGLE-FLUTE — INCH SIZES

Fract	Diameter		Shank Diameter		Overall Length		Style 209SF	
	Decimal	mm	inch	mm	inch	mm	82° Angle	90° Angle
1/4	.2500	6.35	.1875	4.76	1.5000	38.10	56736	56756
3/8	.3750	9.53	.2500	6.35	1.7500	44.45	56738	56758
1/2	.5000	12.70	.2500	6.35	2.0000	50.80	56740	56760
3/4	.7500	19.05	.5000	12.70	2.6250	66.68	56744	56774
1	1.0000	25.40	.5000	12.70	2.7500	69.85	56748	56778

#### STYLE 213 THREE-FLUTE — INCH SIZES

Fract	Diameter		Shank Diameter		Overall Length		Shank Length		Style 213		
	Decimal	mm	inch	mm	inch	mm	inch	mm	82° Angle	90° Angle	100° Angle
1/4	.2500	6.35	.1875	4.76	1.5000	38.10	.7500	19.05	56836	56856	56876
3/8	.3750	9.53	.2500	6.35	1.7500	44.45	.8750	22.23	56838	56858	56878
1/2	.5000	12.70	.2500	6.35	2.0000	50.80	1.0000	25.40	56839	56859	56879
1/2	.5000	12.70	.3750	9.53	2.0000	50.80	1.0000	25.40	56840	56860	56880
5/8	.6250	15.88	.3750	9.53	2.2500	57.15	1.0000	25.40	56842	56862	56882
3/4	.7500	19.05	.5000	12.70	2.6250	66.68	1.2500	31.75	56844	56864	56884

#### INCH SET

Number of Tools	Size Range	Case Style	Style 213 82° Angle
5	1/4 - 3/4 X 1/8	plastic pouch	64216



Set 64216

