



Additional countersink and reamer sizes, types, and brands are available on Grainger.com.

Countersink Material Information

High-Speed Steel—Provides good wear resistance in a wide range of countersinking applications.

Cobalt Steel—Provides good wear resistance when machining hard materials at high speeds and is harder than high-speed steel.

Bright (Uncoated)—Unaffected when the countersink's cutting edges are resharpened.

TIN—Protects against wear, increases chip flow in softer materials, and allows for higher speeds than bright (uncoated) finish.

TIAN—Protects against wear in dry, high-speed machining tasks and can withstand high temperatures.

Bright (Uncoated)
1DBP5



5-Pc. TIN
4FWC8



Anti-Vibration Cobalt Steel Zero-Flute Countersinks

Zero-flute countersinks minimize vibration and chatter during use and prevent chips from sticking to the tool. They leave smooth, clean edges as they expand the top of a hole in countersinking tasks. Commonly used for installing aluminum frame storefronts, glass and window design, and architectural metalworking applications.

Body Dia.	Shank Dia.	Shank Length	Overall Length	Bright (Uncoated)				TIN					
				60° Item No.	82° Item No.	90° Item No.	100° Item No.	60° Item No.	82° Item No.	90° Item No.	100° Item No.		
5/16 in	1/4 in	—	1 1/2 in	—	—	—	—	—	—	—	—	—	33UT95
	3/8 in	1 1/4 in	1 3/4 in	1DBP5	4FWA2	4FVY4	4FCW1	4FVZ3	—	—	—	—	33UT97
3/8 in	1/4 in	—	1 3/4 in	—	—	—	—	—	—	—	—	—	—
	3/8 in	1 1/4 in	1 3/4 in	1DBP6	—	4FWA3	4FVY5	4FCW2	4FVZ4	—	—	—	33UT98
1/2 in	5/16 in	1 1/8 in	2 in	—	—	—	—	—	—	—	—	—	—
	3/8 in	1 1/4 in	2 in	1DBP7	—	4FWA4	4FVY6	4FCW3	4FVZ5	—	—	—	33UU01
3/8 in	3/8 in	1 3/8 in	2 1/2 in	—	—	—	—	—	—	—	—	—	—
	3/8 in	1 1/4 in	2 1/2 in	1DBP8	—	4FWA5	4FVY7	4FCW4	4FVZ6	—	—	—	33UU03
3/4 in	3/8 in	1 3/8 in	2 3/4 in	—	—	—	—	—	—	—	—	—	—
	3/8 in	1 1/4 in	2 3/4 in	1DBP9	—	4FWA6	4FVY8	4FCW5	4FVZ7	—	—	—	33UU05
1 in	3/8 in	1 1/4 in	3 in	—	—	—	—	—	—	—	—	—	—
	3/8 in	1 1/4 in	3 in	—	4FWA7	4FVY9	4FCW6	4FVZ8	—	—	—	—	33UU07
1 1/4 in	1/2 in	1 1/4 in	3 1/2 in	—	—	—	—	—	—	—	—	—	—
	1/2 in	1 1/4 in	3 1/2 in	—	4FWA8	4FVZ1	4FCW7	4FVZ9	—	—	—	—	—
5-Pc. Countersink Sets													
1 in, 1/2 in, 3/4 in, 3/8 in, 5/16 in				1DBR3	4FWA9	4FVZ2	4FCW8	4FWA1	—	—	—	—	—



High-Speed Steel, Bright (Uncoated)
1DBW9



5-Pc. High-Speed Steel, Bright (Uncoated)
1DBU4

Fast-Cut 1-Flute Countersinks

Single-flute countersinks can be used at high speeds. They have a high, positive rake that reduces vibration during use, and they leave clean edges as they expand the top of a hole in countersinking applications.

Body Dia.	Shank Dia.	Shank Length	Overall Length	HIGH-SPEED STEEL, BRIGHT (UNCOATED)					COBALT, BRIGHT (UNCOATED)				
				60° Item No.	82° Item No.	90° Item No.	100° Item No.	120° Item No.	60° Item No.	82° Item No.	90° Item No.	100° Item No.	120° Item No.
1/4 in	1/4 in	—	1 1/2 in	1DBW9	3P423	3P425	4FUA7	4FUF4	3YRH4	3YRL1	3ZTU9	3ZTX6	3ZUD9
3/8 in	1/4 in	3/8 in	1 3/4 in	1DBX1	3P434	3P439	4FUA8	4FUF5	3YRH5	3ZTR4	3ZTV1	3ZTX7	3ZUE1
1/2 in	1/4 in	1 in	2 in	1DBX2	3P419	3P421	4FUA9	4FUF6	3YRH6	3ZTR5	3ZTV2	3ZTX8	3ZUE2
5/8 in	3/8 in	1 in	2 1/4 in	1DBX3	3P441	3P446	4FUD1	4FUF7	3YRH7	3ZTR6	3ZTV3	3ZTX9	3ZUE3
3/4 in	1/2 in	1 1/4 in	2 3/8 in	1DBX4	3P427	3P429	4FUD2	4FUF8	3YRH8	3ZTR7	3ZTV4	3ZTY1	3ZUE4
1 in	1/2 in	1 1/4 in	2 3/4 in	1DBX5	3P415	3P417	4FUD3	4FUF9	3YRH9	3ZTR8	3ZTV5	3ZTY2	3ZUE5
1 1/4 in	1/2 in	1 1/4 in	2 3/4 in	—	4FWF8	4FWG3	4FUD4	4FUF1	—	3ZTR9	3ZTV6	3ZTY3	3ZUE6
1 1/2 in	3/4 in	1 1/4 in	2 3/8 in	—	4FWG4	4FWF9	4FUD5	4FUF2	—	3ZT11	3ZTV7	3ZTY4	3ZUE7
5-Pc. Countersink Sets													
1 in, 1/2 in, 3/4 in, 3/8 in, 5/16 in				1DBU4	1DBU5	1DBU6	4FVD3	4FVD4	3ZUG4	3ZUG5	3ZUG6	3ZUG7	3ZUG9



High-Speed Steel, Bright (Uncoated)
1DBX6



5-Pc. High-Speed Steel, Bright (Uncoated)
1DBT7

General Purpose 3-Flute Countersinks

Three-flute countersinks typically provide better chip clearance and perform better when machining stringy materials than countersinks with more flutes. These countersinks are compatible with a range of materials and are the most common choice for expanding the top of a hole in countersinking tasks.

Body Dia.	Shank Dia.	Shank Length	Overall Length	HIGH-SPEED STEEL, BRIGHT (UNCOATED)					COBALT, BRIGHT (UNCOATED)				
				60° Item No.	82° Item No.	90° Item No.	100° Item No.	120° Item No.	60° Item No.	82° Item No.	90° Item No.	100° Item No.	120° Item No.
1/4 in	1/4 in	—	1 1/2 in	1DBX6	3P390	3P392	4FUJ8	4FUP1	3YPH2	3YPK4	3YPN6	3YPR8	3YPX3
3/8 in	1/4 in	3/8 in	1 3/4 in	1DBX7	3P399	3P401	4FUJ9	4FUP2	3YPH3	3YPK5	3YPN7	3YPR9	3YPX4
1/2 in	1/4 in	1 in	2 in	1DBX8	3P386	3P388	4FUL1	4FUP3	3YPH4	3YPK6	3YPN8	3YPT1	3YPX5
5/8 in	3/8 in	1 in	2 1/4 in	1DBX9	3P403	3P405	4FUL2	4FUP4	3YPH5	3YPK7	3YPN9	3YPT2	3YPX6
3/4 in	1/2 in	1 1/4 in	2 3/8 in	1DBY1	3P395	3P397	4FUL3	4FUP5	3YPH6	3YPK8	3YPN1	3YPT3	3YPX7
1 in	1/2 in	1 1/4 in	2 3/4 in	4FWG5	3P407	3P411	4FUL4	4FUP6	3YPH7	3YPK9	3YPN2	3YPT4	3YPX8
1 1/4 in	1/2 in	1 1/4 in	2 3/4 in	—	4FWG8	4FWH1	4FUL5	4FUP7	—	3YPL1	3YPP3	3YPT5	3YPX9
1 1/2 in	3/4 in	1 1/4 in	2 3/8 in	—	4FWG9	4FWH2	4FUL6	4FUP8	—	3YPL2	3YPP4	3YPT6	3YPY1
5-Pc. Countersink Sets													
1 in, 1/2 in, 3/4 in, 3/8 in, 5/16 in				1DBT7	1DBT8	1DBT9	4FVD5	4FVD8	3YRG5	3YRG6	3YRG7	3YRG8	3YRH1

High-Speed Steel, Bright (Uncoated)
1DBY7



Smooth-Finish 6-Flute Countersinks

Six-flute countersinks provide fast material removal and leave a smooth finish as they expand the top of a hole in countersinking tasks. They remove more material with each revolution and typically provide more wear resistance than countersinks with fewer flutes.



Body Dia.	Shank Dia.	Shank Length	Overall Length	HIGH-SPEED STEEL, BRIGHT (UNCOATED)					COBALT, BRIGHT (UNCOATED)				
				60° Item No.	82° Item No.	90° Item No.	100° Item No.	120° Item No.	60° Item No.	82° Item No.	90° Item No.	100° Item No.	120° Item No.
1/4 in	1/4 in	—	1 1/2 in	1DBY2	1DBY8	1DBZ5	4FUT5	4FUY5	3ZUH3	3ZUN3	3ZWY2	3ZXE2	3ZXP2
3/8 in	1/4 in	3/8 in	1 3/4 in	4FWH5	4FWJ4	4FWK3	4FUT6	4FUY6	3ZUH4	3ZUN4	3ZWY5	—	3ZXP3
1/2 in	1/4 in	1 in	1 3/4 in	1DBY3	1DBY9	1DBZ6	4FUT7	4FUY7	3ZUH5	3ZUN5	3ZWY7	3ZXE4	3ZXP4
5/8 in	3/8 in	1 in	2 in	1DBY4	1DBZ1	1DBZ7	4FUT8	4FUY8	3ZUH6	3ZUN6	3ZWY9	3ZXE5	3ZXP5
3/4 in	1/2 in	1 in	2 in	4FWH6	4FWJ5	4FWK4	4FUT9	4FUY9	3ZUH7	3ZUN7	3ZWZ2	3ZXE6	3ZXP6
1 in	1/2 in	1 1/4 in	2 1/4 in	1DBY5	1DBZ2	1DBZ8	4FUT1	4FUY1	3ZUH8	3ZUN8	3ZWZ4	3ZXE7	3ZXP7
1 1/4 in	1/2 in	1 1/4 in	2 3/4 in	4FWH7	4FWJ6	4FWK5	4FUT2	4FUY2	3ZUH9	3ZUN9	3ZWZ6	3ZXE8	3ZXP8
1 1/2 in	3/4 in	1 1/4 in	2 3/4 in	1DBY6	1DBZ3	1DBZ9	4FUT3	4FUY3	3ZUJ1	3ZUN1	3ZWZ8	3ZXE9	3ZXP9
1 in	1/2 in	1 1/4 in	2 3/4 in	4FWH8	4FWJ7	4FWK6	4FUT4	4FUY4	3ZUJ2	3ZUN2	3ZXA1	3ZXF1	3ZXR1
1 1/4 in	1/2 in	1 1/4 in	2 3/4 in	1DBY7	1DBZ4	1MBY7	4FUT5	4FUY5	3ZUJ3	3ZUN3	3ZXA2	3ZXF2	3ZXR2
1 1/2 in	3/4 in	1 1/4 in	2 3/4 in	—	4FWJ8	4FWK7	4FUT6	4FUY6	—	3ZUP4	3ZXA3	3ZXF3	3ZXR3
—	—	—	—	—	4FWJ9	4FWK8	4FUT7	4FUY7	—	3ZUP5	3ZXA4	3ZXF4	3ZXR4
7-Pc. Countersink Sets													
1 in, 1/2 in, 3/4 in, 3/8 in, 5/16 in, 3/16 in, 5/32 in				1DBU1	1DBU2	1DBU3	4FVD7	4FVD8	3ZXU9	3ZXV1	3ZXV2	3ZXV3	3ZXV5