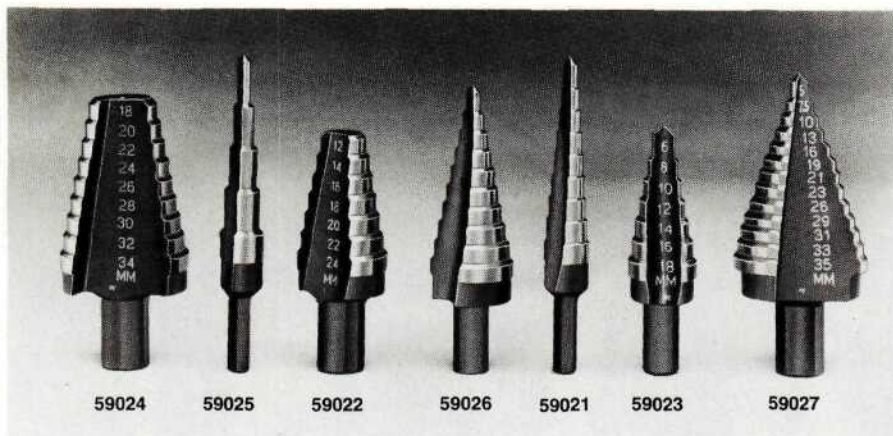




KLEIN DRILL BITS

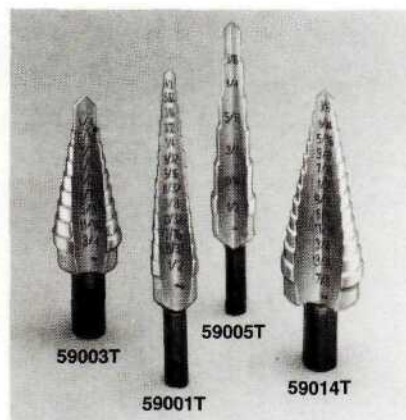
Step-Drill Bits CONT'D



Klein-Unibit® Metric Step-Drill Bits

Same rugged, high-speed steel as English size bits. Drill round holes in most metals up to 5 mm thick (No. 59025 up to 11 mm), as well as plastic and wood. No center punching or pilot hole drilling required on most sizes. Sizes to fit 6 mm, 8 mm, 10 mm and 13 mm chucks on portable electric drills and drill presses. Metric hole-size diameters are permanently laser-etched in the flute areas.

	Cat. No.	Quick reference No.	No. of hole sizes per bit	Size range (hole diameter)	Pilot hole required	Electric drill size	Depth penetration for each step
	59021	1-M	9 in 1 mm increments	4 mm to 12 mm	No	6.5 mm (1/4") and larger	5 mm
	59022	20-M	6 in 2 mm increments	14 mm to 24 mm	Yes 12 mm or larger	13 mm (1/2") and larger	5 mm
	59023	3-M	7 in 2 mm increments	6 mm to 18 mm	No	10 mm (3/8") and larger	5 mm
	59024	21-M	8 in 2 mm increments	20 mm to 34 mm	Yes 18 mm or larger	13 mm (1/2") and larger	5 mm
	59025	2-M	5 in 2 mm increments	4 mm to 12 mm	No	6.5 mm (1/4") and larger	11 mm
	59026	4-M	10 in 2 mm increments	4 mm to 22 mm	No	10 mm (3/8") and larger	5 mm
	59027	5-M	13 in 2-3 mm increments	5 mm to 35 mm	No	13 mm (1/2") and larger	3.5 mm



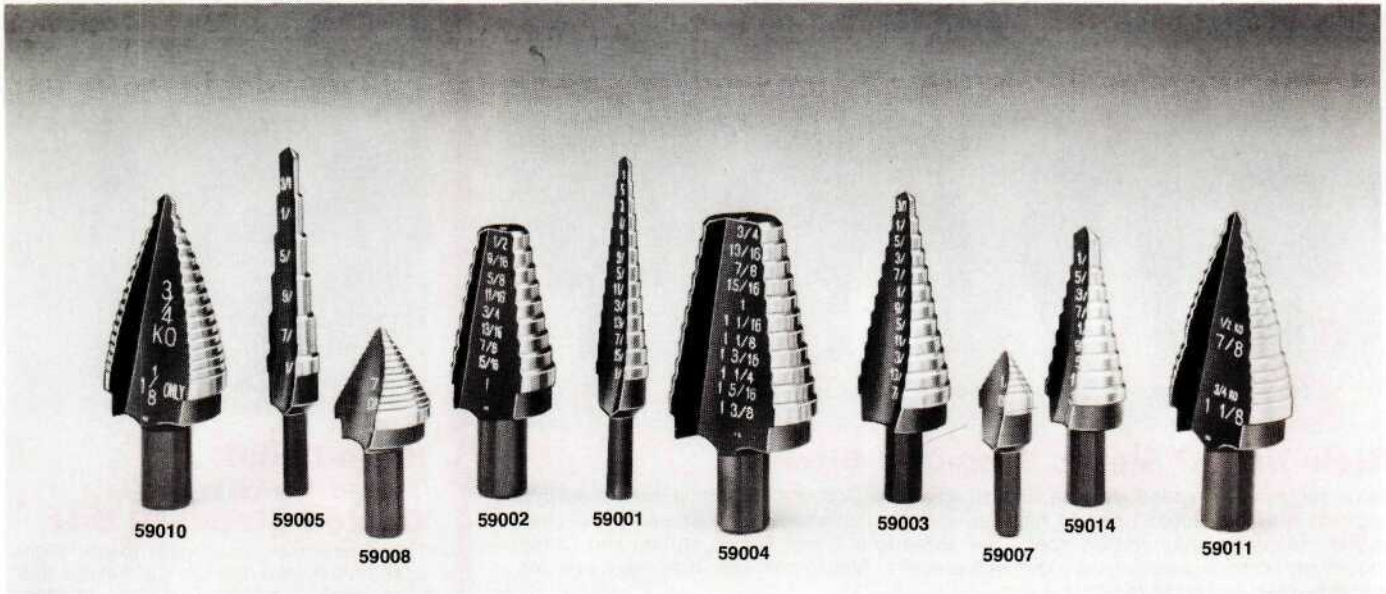
Klein-Unibit® Titanium-Nitride Coated Step-Drill Bits

These new bits are similar to our high-speed steel step-drill bits but have a titanium-nitride coating. This new coating, which has a hardness value of 82 to 86 on the Rockwell "C" scale, creates a surface that makes the bits last up to 4 to 5 times longer than ordinary drill bits. It also dramatically reduces friction for cooler, smoother running without lubrication. The bits are perfect for drilling accurate round holes in thin metal (up to 1/8" thick), i.e. steel, brass, aluminum and copper, as well as plastic and wood. Self-starting tips won't skid. No center punching or pilot hole drilling is required. The bits are easy to keep sharp. The easy-to-read hole sizes are permanently laser-etched in the flute areas. The bits are designed for use in portable electric drills and drill presses.

Klein-Unibit® Titanium-Nitride Coated Step-Drill Bits Ordering Information

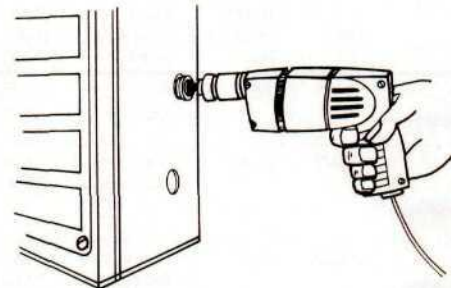
	Cat No.	Quick Reference Number	No. of Hole Sizes Per Bit	Size Range (hole diameter)	Pilot Hole Required	Electric Drill Size	Depth Penetration for Each Step
	59001T	1T	13 in 1/32" increments	1/8" to 1/2"	No	1/4" and larger	1/8"
	59003T	3T	9 in 1/16" increments	1/4" to 3/4"	No	3/8" and larger	1/8"
	59005T	5T	6 in 1/16" increments	3/16" to 1/2"	No	1/4" and larger	3/8"
	59014T	14T	12 in 1/16" increments	3/16" to 7/8"	No	3/8" and larger	1/8"

Step-Drill Bits

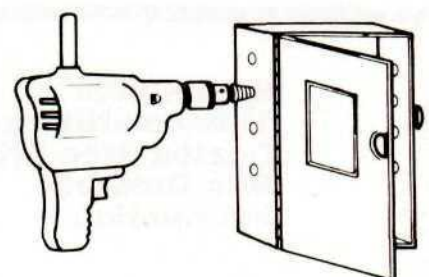


Klein-Unibit® Step-Drill Bits











Perfect for drilling multiple-size holes in thin sections of metal, plastic and wood using a single bit. Each Klein-Unibit does the work of many drill-bit sizes. Drills round holes in most metals (steel, brass, aluminum, copper) up to 1/8" (3.2 mm) thick as well as in plastic and wood. No center punching or pilot hole drilling is required on most sizes. The bits are easy to keep sharp, and the hole size is easily determined by the diameter markings that are permanently laser-etched in the flute areas. Fabricated of rugged, high-speed steel in sizes to fit 1/4", 3/8" or 1/2" chuck of portable electric drills and drill presses.



Unlike standard-point twist drills with two cutting surfaces, the single-flute design of the Klein-Unibit drill bit eliminates skidding. Single cutting-edge design assures penetration of softer materials at the proper speed, stops "hogging-in", helps to eliminate chatter and vibration. Hole is de-burred automatically by the next succeeding size. You can feel and see each step as the bit penetrates. Hole-size diameters are permanently laser-etched in the flute area of each bit, and offer quick and positive identification of each hole-size step to help eliminate user errors.



Klein-Unibit drill bits are real time savers in electrical work. Rugged, high-speed steel drills steel, brass, aluminum, and copper sheet with ease. No center punch or pilot holes required for most sizes.

Cat. No.	Quick reference No.	No. of hole sizes per bit	Size range (hole diameter)	Pilot hole required	Electric drill size	Depth penetration for each step
 59001	1	13 in 1/32" increments	1/8" to 1/2"	No	1/4" and larger	1/8"
 59002	2	8 in 1/16" increments	9/16" to 1"	Yes 1/2" or larger	1/2" and larger	1/8"
 59003	3	9 in 1/16" increments	1/4" to 3/4"	No	3/8" and larger	1/8"
 59004	4	10 in 1/16" increments	13/16" to 1 3/8"	Yes 3/4" or larger	1/2" and larger	1/8"
 59005	5	6 in 1/16" increments	3/16" to 1/2"	No	1/4" and larger	3/8"
 59007	7	1	1/2"	No	1/4" and larger	Not applicable
 59008	8	1	7/8"	No	3/8" and larger	Not applicable
 59010	10	1	1 1/8"	No	1/2" and larger	Not applicable
 59011	11	2	7/8" and 1 1/8"	No	1/2" and larger	1/8"
 59014	14	12 in 1/16" increments	3/16" to 7/8"	No	3/8" and larger	1/8"