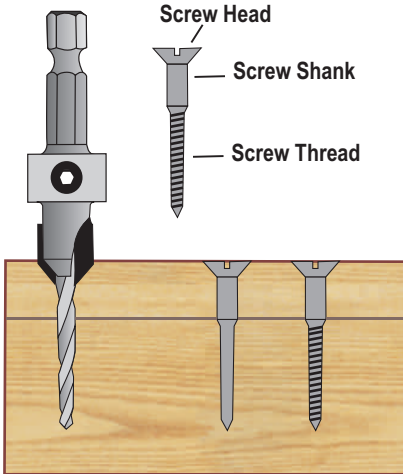


Taper-Point Drill bits, High Speed Steel, 2 Flutes High Speed Steel Countersink, Complete Sets



Drills holes for the screw shank and the thread, in one pass!

Using a Taper Point Drill bit and a Countersink enables 3 operations in one pass! Drill, countersink and counterbore.

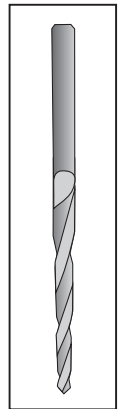
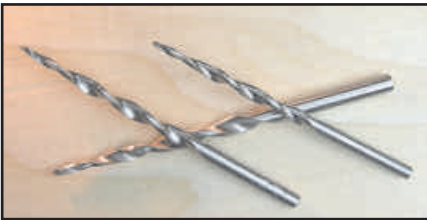
Tapered Pilot Holes for wood screws are recommended especially for hardwoods.

The hole in the first piece of wood is drilled large enough to accommodate the screw shank.

In the second piece of wood, the hole is perfectly tapered to fit the screw thread.

Tapered drill bits are milled from solid High Speed Steel for long life.

Highly polished flute surfaces for easy chip ejection. Cutting edges have back relief for smooth drilling with less friction. Special tip grinding for precise centering and penetration.



Taper Drill Bit Only

Tool no.	Drill Dia.	Flute Length	O/A Length	For Screw #	Category
TDB-5/64	5/64"	7/8"	2"	1,2	D
TDB-3/32	3/32"	1 1/8"	2 1/4"	2,3,4	D
TDB-7/64	7/64"	1 1/4"	2 5/8"	3,4,5	D
TDB-1/8	1/8"	1 1/2"	2 3/4"	5,6	D
TDB-9/64	9/64"	1 3/4"	2 7/8"	6,7	D
TDB-5/32	5/32"	1 7/8"	3 1/8"	7,8	D
TDB-11/64	11/64"	2"	3 1/4"	8,9	D
TDB-3/16	3/16"	2"	3 1/2"	9,10	D
TDB-7/32	7/32"	2 1/4"	3 3/4"	12	D
TDB-1/4	1/4"	2 1/2"	4 1/8"	14	D

Prior to using wood screws, it is advisable to drill a "Pilot Hole". In case of an assembly of Drill and Countersink, one needs to determine the proper diameter of a drill to achieve the perfect hole size to accept a specific screw, or vice versa: the correct screw size (Gauge) for a given drill diameter. A "Pilot hole" is a hole drilled into a wood surface prior to installing a screw. Pilot holes help to:

- ◆ Prevent wood from splitting from large screws or when near the end or edge of the board.
- ◆ Improve positioning accuracy by providing a guide path for the screw to follow. This is very handy when installation of screws is done "Freehand".
- ◆ Makes driving the screws into the wood easier.

Many parameters influence matching the drill diameter to the screw size (Gauge). Type of wood, moisture content, working conditions and angle of operation have great impact on this task. The following chart will give you a quick guideline.

Screw Size (Gauge)	Hard Wood		Soft Wood	
	Tapered Drill	Straight Drill	Tapered Drill	Straight Drill
2	3/32	1/16	5/64	1/16
3	7/64	5/64	3/32	1/16
4	7/64	5/64	3/32	1/16
5	1/8	3/32	7/64	5/64
6	9/64	7/64	1/8	3/32
7	5/32	7/64	9/64	3/32
8	11/64	1/8	5/32	7/64
9	3/16	9/64	11/64	1/8
10	13/64	9/64	3/16	1/8
12	7/32	5/32	13/64	9/64
14	1/4	11/64	15/64	5/32
16	9/32	3/16	17/64	11/64
18	5/16	7/32	19/64	13/64
20	21/64	15/64	5/16	7/32
24	3/8	17/64	3/8	1/4