

Screw Diameters



Use this resource as a guide when you want to drill pilot holes for different screws. It contains recommended pilot hole sizes for different materials, like hardwood and softwood, as well as countersunk sizes for screws. It also contains a screw gauge to millimeter conversion chart, so that you can easily convert screw gauge measurements to metric.

Screw Diameter	mm	Nearest Fractional Measurement
4G	2.84	7/64
6G	3.51	9/64
8G	4.17	5/32
10G	4.83	3/16
12G	5.49	7/32
14G	6.15	1/4
16G	6.81	17/64
18G	7.47	19/64

Screw Diameters Pilot Holes

Screw Size	Hard Wood	Soft Wood	Countersunk Size
4G	5/64	1/16	1/4
6G	7/64	3/32	5/16
8G	1/8	7/64	3/8
10G	9/64	1/8	7/16
12G	5/32	9/64	7/16
14G	11/64	5/32	1/2
16G	3/16	11/64	9/16
18G	7/32	13/64	5/8

ⁱ The data provided in this document is for general guidance only and should not be solely relied upon when working to stringent specifications. We recommend consulting with qualified experts regarding any technical queries. This information may change without written notice.