GardinerHardware.com

Reusable screw-matching sheet

Keep the original screw. Compare the shank, head, length and thread separately.

FIRST: PRINT AT ACTUAL SIZE / 100%. TURN OFF FIT OR SHRINK.

Measure BOTH checks with a known ruler. If either is wrong, do not use the scales.

Exactly 2 inches

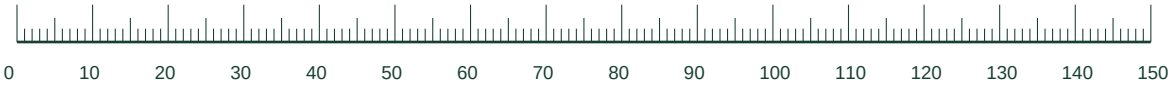
Exactly 50 mm

1 MEASURE LENGTH

Inches - small marks are 1/8 inch; numbered marks are whole inches.



Millimeters - each small mark is 1 mm.



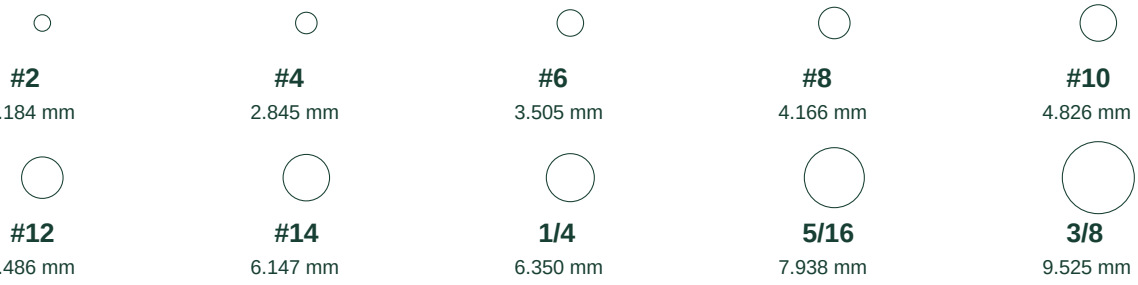
Where does the measurement start?

Flat / countersunk head: include the head in the length.

Round, pan and raised heads: measure from under the head to the tip.

2 COMPARE THE SHANK DIAMETER

Compare the outside width of the threads, not the width of the head.



#2	#4	#6	#8	#10
2.184 mm	2.845 mm	3.505 mm	4.166 mm	4.826 mm
#12	**#14**	**1/4**	**5/16**	**3/8**
5.486 mm	6.147 mm	6.350 mm	7.938 mm	9.525 mm

These circles are nominal inch screw outside diameters, not pilot-hole sizes.

Worn, plated and wood-screw threads vary. Confirm with calipers and a thread gauge.

For reuse: print clearly, verify scale, laminate flat, then verify scale again.

Use this side to narrow a thread match. A printed line pattern cannot prove safe mating.

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Exactly 2 inches

Exactly 50 mm

3 COMPARE THE THREAD SPACING

Lay the screw sideways and align several thread crests with the lines.

Check many crests, not just two. Never force a nut onto a possible match.

16 per inch		**32 per inch**	
18 per inch		**36 per inch**	
20 per inch		**40 per inch**	
24 per inch		**48 per inch**	
28 per inch		**56 per inch**	

What the size means

#8-32: #8 outside diameter, with 32 threads in one inch.

1/4-20: 1/4-inch outside diameter, with 20 threads in one inch.

#8 wood screw: a wood-screw size, not a #8-32 machine thread.

Diameter alone is not enough: thread form, pitch, handedness and fit must agree.

4 TAKE THESE DETAILS TO THE DRAWER SEARCH

Wood screw / machine screw / nut / washer / bolt: _____

Material or original finish: _____

Outside diameter / size and thread: _____

Length and quantity needed: _____

Not sure? Photograph the original beside this checked scale and ask Gardiner Hardware.

Do not use an unidentified fastener for lifting, structural, brake or other critical work.