

Lag Screw / Lag Shields— Also known as Lag Bolts

- For fastening directly into wood surfaces.
- Use with lag shields for masonry applications.



Lag Screw Pilot Hole Sizes

Diameter	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"
Soft Wood	3/32"	9/64"	11/64"	15/64"	5/16"	13/32"
Hard Wood	3/16"	13/64"	1/4"	11/32"	29/32"	9/16"



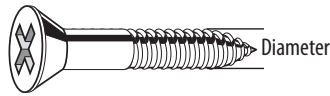
Lag Shield Pilot Hole Sizes

Anchor Size*	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"
Drill Bit Size	1/2"	1/2"	5/8"	3/4"	7/8"	1"

**(For both Long and Short Lag Shields)*

Wood Screw

- Used for directly fastening two wood surfaces.
- Smooth tapered shank to prevent wood from pulling and splitting.
- Hanger Bolts have a machine thread on one end and wood thread on the other.
- Dowel screws have wood thread on each end.



Wood Screw Diameter

Size	#2	#3	#4	#5	#6	#7	#8	#9	#10
Decimal	0.086	0.099	0.112	0.125	0.138	0.151	0.164	0.177	0.19
Fractional	3/32	7/64	7/64	1/8	9/64	5/32	5/32	11/64	3/16

Size	#12	#14	#16	#18	#20
Decimal	0.216	0.242	0.268	0.294	0.32
Fractional	7/32	1/4	17/64	19/64	5/16

****Use Straight Bit Size**

Screw Size	#2	#3	#4	#5	#6	#7	#8	#9	#10	#12	#14	#16	#18	#20
Hard Wood	1/16	5/64	5/64	3/32	7/64	7/64	1/8	9/64	9/64	5/32	11/64	3/16	7/32	15/64
Countersink Size	1/4	1/4	1/4	5/16	5/16	5/16	3/8	3/8	7/16	7/16	1/2	9/16	5/8	3/4
Soft Wood	1/16	1/16	1/16	5/64	3/32	3/32	7/64	1/8	1/8	9/64	5/32	11/64	13/64	7/32
Countersink Size	1/4	1/4	1/4	5/16	5/16	5/16	3/8	3/8	7/16	7/16	1/2	9/16	5/8	3/4

Wood Types

Oak	Hard	Brazilian Cherry	Hard
IPE	Hard	Hickory	Hard
Mahogany	Hard	Bamboo	Hard
Cedar	Soft	Common Redwood	Soft
Ridge Valley Redwood	Soft	Soft Maple	Soft
Douglas Fir	Soft	Radiata Pine	Soft
Green Fir	Soft	White Pine	Soft
Red Wood	Soft	Southern Pine	Soft