

# Porteous Fastener Company

## Product Information Sheet

### Hex Lag Screws, Inch Series



- PFC Product Category: 00110.
- Manufacturers test reports are not normally available for this product.
- Typical Material: Low Carbon Steel
- Material Properties: Purchased to meet SAE J429 Grade 1.
- Dimensions: ASME B18.2.1, Full Body, Rolled Threads
  - Lag screws longer than 12 inches will have a minimum thread length of 50% of screw length up to a maximum of 8 inches.
- Zinc Plating: Purchased to meet ASTM F1941 FeZn3A
- Hot-Dip Galvanized: Purchased to meet ASTM A153.
- Typical Hardness: HRB 70-100
- Tensile Strength of steel (not pull-out): 60,000 PSI Minimum (Note lag screws are not tensile tested)
- Information on lag screw strengths in wood can be found at the following websites: [www.fpl.fs.fed.us/documnts/fplgtr/fplgtr113/ch07.pdf](http://www.fpl.fs.fed.us/documnts/fplgtr/fplgtr113/ch07.pdf) and [www.awc.org](http://www.awc.org)

Length Tolerances for Lag Screws		
Nominal Length	Nominal Size	
	Up to 1/2"	Over 1/2"
Up to 6 in.	+/-0.12"	+/-0.25"
Over 6 in.	+/-0.25"	+/-0.25"

Thread Root Diameter for Lag Screws			
Nominal Size	Root Dia	Nominal Size	Root Dia
#10	0.120	1/2	0.371
1/4	0.173	5/8	0.471
5/16	0.227	3/4	0.579
3/8	0.265	7/8	0.683
7/16	0.328	1	0.780

Wrench Socket Sizes - Lag Screws			
Screw Size	Socket Size	Screw Size	Socket Size
#10	9/32	1/2	3/4
1/4	7/16	5/8	15/16
5/16	1/2	3/4	1 1/8
3/8	9/16	7/8	1 5/16
7/16	5/8	1	1 1/2