



HEX LAG SCREWS

ZINC & GALVANIZED

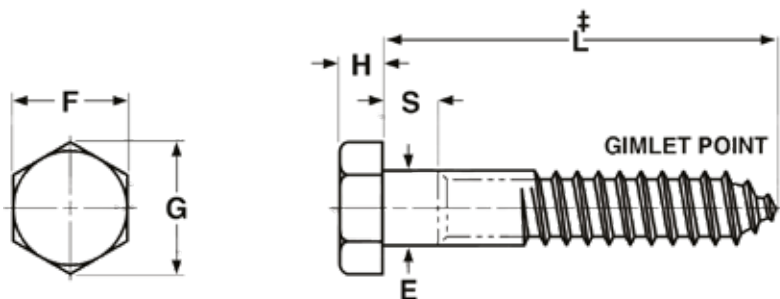
Lag screws are full bodied bolts with hex head, large threads, and a gimlet/lag point. Used in wood applications.



AVAILABILITY

- Zinc Plated
- Hot Dip Galvanized for extra corrosion resistance

DIMENSIONAL DATA



Length of a cap screw is measured from the underhead bearing surface to the extreme end of the screw.

Hex Lag Screws												ASME B18.2.1-1996	
Basic Product Diameter	Threads Per Inch	E		F			G		H			S	
		Body or Shoulder Diameter		Width Across Flats			Width Across Corners		Head Height			Shoulder Length	
		Max	Min	Basic	Max	Min	Max	Min	Basic	Max	Min	Max	
No. 10	0.1900	11	0.199	0.178	9/32	0.281	0.271	0.323	0.309	1/8	0.140	0.110	0.094
1/4	0.2500	10	0.260	0.237	7/16	0.438	0.425	0.505	0.484	11/64	0.188	0.150	0.094
5/16	0.3125	9	0.324	0.298	1/2	0.500	0.484	0.507	0.552	7/32	0.235	0.195	0.125
3/8	0.3750	7	0.388	0.360	9/16	0.562	0.544	0.650	0.620	1/4	0.268	0.226	0.125
7/16	0.4375	7	0.452	0.421	5/8	0.625	0.603	0.722	0.687	19/64	0.316	0.272	0.156
1/2	0.5000	6	0.515	0.482	3/4	0.750	0.725	0.866	0.826	11/32	0.364	0.302	0.156
5/8	0.6250	5	0.642	0.605	15/16	0.938	0.906	1.083	1.033	27/64	0.444	0.378	0.312
3/4	0.7500	4-1/2	0.768	0.729	1-1/8	1.125	1.088	1.299	1.240	1/2	0.524	0.455	0.375
7/8	0.8750	4	0.895	0.852	1-5/16	1.312	1.269	1.516	1.447	37/64	0.604	0.531	0.375

Tolerance on Length	Nominal Screw Size		Nominal Screw Length	
			Through 6 in.	Over 6 in.
		1/2 and smaller	± 0.12	± 0.25
	Over 1/2	± 0.25	± 0.25	



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DIMENSIONAL DATA (CONT'D)

Application/Advantages	Steel, Electro-plated Zinc: For use in wood in non-corrosive environments. Steel, Hot-Dip Galvanized: For use in corrosive environments. Stainless: Has superior corrosion resistance to galvanized steel bolts.
Material	Steel: AISI 1006 - 1002 or equivalent steel. Stainless: 18-8 stainless.
Heat Treatment	Stainless: The austenitic alloys develop their strength through work hardening during the fastener manufacturing process, as seen from the hardness properties below. The only heat treatment normally available on austenitic stainless alloys is annealing, which is done at approximately 1900°F to a dead soft condition and is not normally thermally reversible.
Hardness	Steel: Rockwell B70 - C32. Stainless: 1/4 through 1/2 in. diameter - Rockwell B95 - C32.
Tensile Strength	Steel: 60,000 psi. minimum Stainless: 100,000 - 125,000 psi (approximate)
Minimum Thread Length	The minimum length of thread shall be equal to 1/2 the nominal screw length plus 0.50 in., or 5.00 in., whichever is shorter. Screws too short for this formula shall be threaded as close to the head as practicable.

ORDERING INFORMATION

ZINC PLATED

PART #	SIZE	QUANTITY / BOX
3HLS14100	1/4 x 1	100 / BOX
3HLS14114	1/4 x 1-1/4	100 / BOX
3HLS14112	1/4 x 1-1/2	100 / BOX
3HLS14134	1/4 x 1-3/4	100 / BOX
3HLS14200	1/4 x 2	100 / BOX
3HLS14212	1/4 x 2-1/2	100 / BOX
3HLS14300	1/4 x 3	100 / BOX
3HLS14312	1/4 x 3-1/2	100 / BOX
3HLS14400	1/4 x 4	100 / BOX
3HLS14412	1/4 x 4-1/2	100 / BOX
3HLS14500	1/4 x 5	100 / BOX
3HLS14512	1/4 x 5-1/2	100 / BOX
3HLS14600	1/4 x 6	100 / BOX
3HLS56100	5/16 x 1	100 / BOX
3HLS56114	5/16 x 1-1/4	100 / BOX
3HLS56112	5/16 x 1-1/2	100 / BOX
3HLS56134	5/16 x 1-3/4	100 / BOX
3HLS56200	5/16 x 2	100 / BOX

PART #	SIZE	QUANTITY / BOX
3HLS56212	5/16 x 2-1/2	100 / BOX
3HLS56300	5/16 x 3	100 / BOX
3HLS56312	5/16 x 3-1/2	50 / BOX
3HLS56400	5/16 x 4	50 / BOX
3HLS56412	5/16 x 4-1/2	50 / BOX
3HLS56500	5/16 x 5	50 / BOX
3HLS56512	5/16 x 5-1/2	50 / BOX
3HLS56600	5/16 x 6	50 / BOX
3HLS38100	3/8 x 1	100 / BOX
3HLS38114	3/8 x 1-1/4	100 / BOX
3HLS38112	3/8 x 1-1/2	100 / BOX
3HLS38200	3/8 x 2	100 / BOX
3HLS38212	3/8 x 2-1/2	50 / BOX
3HLS38300	3/8 x 3	50 / BOX
3HLS38312	3/8 x 3-1/2	50 / BOX
3HLS38400	3/8 x 4	50 / BOX
3HLS38412	3/8 x 4-1/2	50 / BOX
3HLS38500	3/8 x 5	50 / BOX
3HLS38512	3/8 x 5-1/2	50 / BOX



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ORDERING INFORMATION

ZINC PLATED

PART #	SIZE	QUANTITY / BOX
3HLS38600	3/8 x 6	50 / BOX
3HLS38700	3/8 x 7	50 / BOX
3HLS38800	3/8 x 8	50 / BOX
3HLS38120	3/8 x 12	25 / BOX
3HLS12112	1/2 x 1-1/2	50 / BOX
3HLS12200	1/2 x 2	50 / BOX
3HLS12212	1/2 x 2-1/2	50 / BOX
3HLS12300	1/2 x 3	50 / BOX
3HLS12312	1/2 x 3-1/2	25 / BOX
3HLS12400	1/2 x 4	25 / BOX
3HLS12412	1/2 x 4-1/2	25 / BOX
3HLS12500	1/2 x 5	25 / BOX
3HLS12512	1/2 x 5-1/2	25 / BOX
3HLS12600	1/2 x 6	25 / BOX
3HLS12700	1/2 x 7	25 / BOX
3HLS12800	1/2 x 8	25 / BOX
3HLS12010	1/2 x 10	25 / BOX
3HLS14100	1/4 x 1	100 / BOX
3HLS14114	1/4 x 1-1/4	100 / BOX
3HLS14112	1/4 x 1-1/2	100 / BOX
3HLS14134	1/4 x 1-3/4	100 / BOX
3HLS14200	1/4 x 2	100 / BOX
3HLS14212	1/4 x 2-1/2	100 / BOX
3HLS14300	1/4 x 3	100 / BOX
3HLS14312	1/4 x 3-1/2	100 / BOX
3HLS14400	1/4 x 4	100 / BOX
3HLS14412	1/4 x 4-1/2	100 / BOX
3HLS14500	1/4 x 5	100 / BOX
3HLS14512	1/4 x 5-1/2	100 / BOX
3HLS14600	1/4 x 6	100 / BOX
3HLS56100	5/16 x 1	100 / BOX
3HLS56114	5/16 x 1-1/4	100 / BOX
3HLS56112	5/16 x 1-1/2	100 / BOX
3HLS56134	5/16 x 1-3/4	100 / BOX
3HLS56200	5/16 x 2	100 / BOX

PART #	SIZE	QUANTITY / BOX
3HLS56212	5/16 x 2-1/2	100 / BOX
3HLS56300	5/16 x 3	100 / BOX
3HLS56312	5/16 x 3-1/2	50 / BOX
3HLS56400	5/16 x 4	50 / BOX
3HLS56412	5/16 x 4-1/2	50 / BOX
3HLS56500	5/16 x 5	50 / BOX
3HLS56512	5/16 x 5-1/2	50 / BOX
3HLS56600	5/16 x 6	50 / BOX
3HLS38100	3/8 x 1	100 / BOX
3HLS38114	3/8 x 1-1/4	100 / BOX
3HLS38112	3/8 x 1-1/2	100 / BOX
3HLS38200	3/8 x 2	100 / BOX
3HLS38212	3/8 x 2-1/2	50 / BOX
3HLS38300	3/8 x 3	50 / BOX
3HLS38312	3/8 x 3-1/2	50 / BOX
3HLS38400	3/8 x 4	50 / BOX
3HLS38412	3/8 x 4-1/2	50 / BOX
3HLS38500	3/8 x 5	50 / BOX
3HLS38512	3/8 x 5-1/2	50 / BOX
3HLS38600	3/8 x 6	50 / BOX
3HLS38700	3/8 x 7	50 / BOX
3HLS38800	3/8 x 8	50 / BOX
3HLS38120	3/8 x 12	25 / BOX
3HLS12112	1/2 x 1-1/2	50 / BOX
3HLS12200	1/2 x 2	50 / BOX
3HLS12212	1/2 x 2-1/2	50 / BOX
3HLS12300	1/2 x 3	50 / BOX
3HLS12312	1/2 x 3-1/2	25 / BOX
3HLS12400	1/2 x 4	25 / BOX
3HLS12412	1/2 x 4-1/2	25 / BOX
3HLS12500	1/2 x 5	25 / BOX
3HLS12512	1/2 x 5-1/2	25 / BOX
3HLS12600	1/2 x 6	25 / BOX
3HLS12700	1/2 x 7	25 / BOX
3HLS12800	1/2 x 8	25 / BOX
3HLS12010	1/2 x 10	25 / BOX

**HEX LAG SCREWS**
ZINC & GALVANIZED**ORDERING INFORMATION**

ZINC PLATED

PART #	SIZE	QUANTITY / BOX
2HCS14114G5	1/4-20 x 1-1/4	100 / BOX
2HCS14112G5	1/4-20 x 1-1/2	100 / BOX
2HCS56100G5	5/16-18 x 1	100 / BOX
2HCS56212G5	5/16-18 x 2-1/2	100 / BOX
2HCS38100G5	3/8-16 x 1	100 / BOX
2HCS38114G5	3/8-16 x 1-1/4	100 / BOX
2HCS38112G5	3/8-16 x 1-1/2	100 / BOX
2HCS38312G5	3/8-16 x 3-1/2	50 / BOX
2HCS12100G5	1/2-13 x 1	50 / BOX
2HCS12114G5	1/2-13 x 1-1/4	50 / BOX
2HCS12200G5	1/2-13 x 2	50 / BOX
2HCS12414G5	1/2-13 x 4-1/4	25 / BOX
2HCS12500G5	1/2-13 x 5	25 / BOX
2HCS58100G5	5/8-11 x 1	25 / BOX
2HCS58114G5	5/8-11 x 1-1/4	25 / BOX
2HCS58200G5	5/8-11 x 2	25 / BOX
2HCS14114G5	1/4-20 x 1-1/4	100 / BOX
2HCS14112G5	1/4-20 x 1-1/2	100 / BOX
2HCS56100G5	5/16-18 x 1	100 / BOX
2HCS56212G5	5/16-18 x 2-1/2	100 / BOX
2HCS38100G5	3/8-16 x 1	100 / BOX
2HCS38114G5	3/8-16 x 1-1/4	100 / BOX
2HCS38112G5	3/8-16 x 1-1/2	100 / BOX
2HCS38312G5	3/8-16 x 3-1/2	50 / BOX
2HCS12100G5	1/2-13 x 1	50 / BOX
2HCS12114G5	1/2-13 x 1-1/4	50 / BOX
2HCS12200G5	1/2-13 x 2	50 / BOX
2HCS12414G5	1/2-13 x 4-1/4	25 / BOX
2HCS12500G5	1/2-13 x 5	25 / BOX
2HCS58100G5	5/8-11 x 1	25 / BOX
2HCS58114G5	5/8-11 x 1-1/4	25 / BOX
2HCS58200G5	5/8-11 x 2	25 / BOX
2HCS58214G5	5/8-11 x 2-1/4	25 / BOX

PART #	SIZE	QUANTITY / BOX
2HCS58212G5	5/8-11 x 2-1/2	25 / BOX
2HCS58234G5	5/8-11 x 2-3/4	25 / BOX
2HCS58300G5	5/8-11 x 3	25 / BOX
2HCS58400G5	5/8-11 x 4	25 / BOX
2HCS58414G5	5/8-11 x 4-1/4	25 / BOX
2HCS58412G5	5/8-11 x 4-1/2	25 / BOX
2HCS58500G5	5/8-11 x 5	25 / BOX
2HCS58700G5	5/8-11 x 7	25 / BOX
2HCS34112G5	3/4-10 x 1-1/2	20 / BOX
2HCS34200G5	3/4-10 x 2	20 / BOX
2HCS34212G5	3/4-10 x 2-1/2	20 / BOX
2HCS34300G5	3/4-10 x 3	20 / BOX
2HCS34314G5	3/4-10 x 3-1/4	20 / BOX
2HCS34312G5	3/4-10 x 3-1/2	15 / BOX
2HCS34334G5	3/4-10 x 3-3/4	15 / BOX
2HCS34400G5	3/4-10 x 4	15 / BOX
2HCS34414G5	3/4-10 x 4-1/4	15 / BOX
2HCS34412G5	3/4-10 x 4-1/2	15 / BOX
2HCS34512G5	3/4-10 x 5-1/2	15 / BOX
2HCS34600G5	3/4-10 x 6	15 / BOX
2HCS34700G5	3/4-10 x 7	15 / BOX
2HCS78200G5	7/8-9 x 2	15 / BOX
2HCS78234G5	7/8-9 x 2-3/4	15 / BOX
2HCS78300G5	7/8-9 x 3	15 / BOX
2HCS78400G5	7/8-9 x 4	15 / BOX
2HCS78412G5	7/8-9 x 4-1/2	15 / BOX
2HCS78500G5	7/8-9 x 5	15 / BOX
2HCS01300G5	1-8 x 3	10 / BOX
2HCS01400G5	1-8 x 4	10 / BOX
2HCS01412G5	1-8 x 4-1/2	10 / BOX
2HCS01612G5	1-8 x 6-1/2	10 / BOX
2HCS01800G5	1-8 x 8	10 / BOX

**HEX LAG SCREWS**
ZINC & GALVANIZED**ORDERING INFORMATION****HOT DIP GALVANIZED**

PART #	SIZE	QUANTITY / BOX
3HLSG14112	1/4 x 1-1/2	100 / BOX
3HLSG14200	1/4 x 2	100 / BOX
3HLSG14212	1/4 x 2-1/2	100 / BOX
3HLSG14300	1/4 x 3	100 / BOX
3HLSG14312	1/4 x 3-1/2	100 / BOX
3HLSG14400	1/4 x 4	100 / BOX
3HLSG14512	1/4 x 5-1/2	100 / BOX
3HLSG56112	5/16 x 1-1/2	100 / BOX
3HLSG56200	5/16 x 2	100 / BOX
3HLSG56212	5/16 x 2-1/2	100 / BOX
3HLSG56300	5/16 x 3	100 / BOX
3HLSG56312	5/16 x 3-1/2	50 / BOX
3HLSG56400	5/16 x 4	50 / BOX
3HLSG38200	3/8 x 2	100 / BOX
3HLSG38212	3/8 x 2-1/2	50 / BOX
3HLSG38300	3/8 x 3	50 / BOX
3HLSG38312	3/8 x 3-1/2	50 / BOX

PART #	SIZE	QUANTITY / BOX
3HLSG38400	3/8 x 4	50 / BOX
3HLSG38412	3/8 x 4-1/2	50 / BOX
3HLSG38500	3/8 x 5	50 / BOX
3HLSG38512	3/8 x 5-1/2	50 / BOX
3HLSG38600	3/8 x 6	50 / BOX
3HLSG12112	1/2 x 1-1/2	50 / BOX
3HLSG12200	1/2 x 2	50 / BOX
3HLSG12212	1/2 x 2-1/2	50 / BOX
3HLSG12300	1/2 x 3	50 / BOX
3HLSG12312	1/2 x 3-1/2	25 / BOX
3HLSG12400	1/2 x 4	25 / BOX
3HLSG12412	1/2 x 4-1/2	25 / BOX
3HLSG12500	1/2 x 5	25 / BOX
3HLSG12512	1/2 x 5-1/2	25 / BOX
3HLSG12600	1/2 x 6	25 / BOX
3HLSG12700	1/2 x 7	25 / BOX
3HLSG12800	1/2 x 8	25 / BOX