

ACOUSTICAL PRODUCTS

Eye Lag Screw Group for Drop Ceiling Hangers to Steel and Wood

Screw Designation		Allowable Tensile Pull-out ² (P _{NOT} /Ω), lbf					
	Sheet metal gauge	25	22	20	18	16	14
	Design thickness (in.) ¹	0.0188	0.0283	0.0346	0.0451	0.0566	0.0713
H-1		N/A	N/A	107	139	252	318
H-2		N/A	N/A			N/A	N/A
H-3		58	87				
Applied Safety Factor, Ω = 3							

Footnotes:

For SI: 1 inch = 25.4 mm, 1 lbf = 4.4 N, 1 ksi = 6.89 MPa

1 Design thickness of the member

2 To calculate LRFD values, multiply values in the table by the ASD safety factor of 3.0 and multiply again with the LRFD Φ factor of 0.5.

Wood		
Screw Designation	Minimum 0.46 Specific Gravity	Tension 45° ²
H-3	270	140
3EL	270	140
3ELYZ	270	140
AL300	270	140
AL400	270	140
4EL	270	140
4ELYZ	270	140
5EL	270	140
5ELYZ	270	140

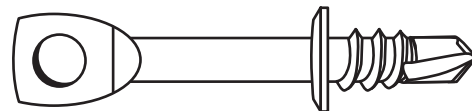
Applied Safety Factor, $\Omega = 3.0$

For SI: 1 inch = 25.4 mm, 1 lbf = 4.4 N, 1ksi = 6.89 MPa

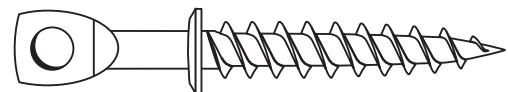
1 Based on minimum 1-1/2" penetration

2 Load applied at 45 degrees from the longitudinal axis.

H-1 and H-2



H-3



3EL, 3ELYZ, AL300, AL400, 4EL, 4ELYZ, 5EL, 5ELYZ

