

## ACOUSTICAL PRODUCTS

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

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

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  $\Phi$  factor of 0.5.

Screw Designation	Wood	
	Minimum Tension	Minimum 0.46 Specific Gravity
H-3	270	45° <sup>2</sup> 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

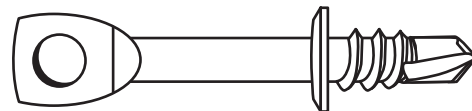
Applied Safety Factor,  $\Omega = 3.0$

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

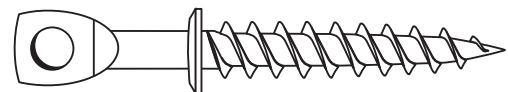
1 Based on minimum 1-1/2" penetration

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

