

Uplift at Bearings

Per 2005 NDS for Nails & Lags
Per ESR-2236 for SDS

WJ21, WJ24 & WJ28	WJ-L6
<p>G = 0.50 C_D = 1.6000 Chord (C) = 1.5000 In. Bearing (B) = 0.1000 In.</p>	<p>G = 0.50 C_D = 1.6000 Chord (C) = 2.5000 In. Bearing (B) = 0.1000 In.</p>
<p>16d Box Dia. (D) = 0.1350 In. W = 33.0000 #/In. Len. (L) = 3.5000 In. P = L-C-B = 1.9000 In. W_W = C_DPW W_W = 100.32 Lbs./Nail</p>	<p>20d Box Dia. (D) = 0.1480 In. W = 36.0000 #/In. Len. (L) = 4.0000 In. P = L-C-B = 1.4000 In. W_W = C_DPW W_W = 80.64 Lbs./Nail</p>
<p>(2) 16d Box = 200 Lbs. (4) 16d Box = 400 Lbs.</p>	<p>(2) 20d Box = 160 Lbs. (4) 20d Box = 320 Lbs.</p>
<p>16d Com Dia. (D) = 0.1620 In. W = 40.0000 #/In. Len. (L) = 3.5000 In. P = L-C-B = 1.9000 In. W_W = C_DPW W_W = 121.60 Lbs./Nail</p>	<p>20d Com Dia. (D) = 0.1920 In. W = 47.0000 #/In. Len. (L) = 4.0000 In. P = L-C-B = 1.4000 In. W_W = C_DPW W_W = 105.28 Lbs./Nail</p>
<p>(2) 16d Com = 242 Lbs. (4) 16d Com = 484 Lbs.</p>	<p>(2) 20d Com = 210 Lbs. (4) 20d Com = 420 Lbs.</p>
<p>1/4" x 3 1/2" Lag Dia. (D) = 0.2500 In. W = 225.0000 #/In. Len. (L) = 3.5000 In. e = 0.15625 In. P = L-e-C-B = 1.7438 In. W_W = C_DPW W_W = 627.75 Lbs./Lag</p>	<p>1/4" x 4 1/2" Lag Dia. (D) = 0.2500 In. W = 225.0000 #/In. Len. (L) = 4.5000 In. e = 0.15625 In. P = L-e-C-B = 1.7438 In. W_W = C_DPW W_W = 627.75 Lbs./Lag</p>
<p>(2) 1/4" x 3 1/2" Lag = 1254 Lbs. (4) 1/4" x 3 1/2" Lag = 2508 Lbs.</p>	<p>(2) 1/4" x 4 1/2" Lag = 1254 Lbs. (4) 1/4" x 4 1/2" Lag = 2508 Lbs.</p>
<p>1/4" x 4 1/2" Lag Dia. (D) = 0.2500 In. W = 225.0000 #/In. Len. (L) = 4.5000 In. e = 0.15625 In. P = L-e-C-B = 2.7438 In. W_W = C_DPW W_W = 987.75 Lbs./Lag</p>	<p>1/4" x 6" Lag Dia. (D) = 0.2500 In. W = 225.0000 #/In. Len. (L) = 6.0000 In. e = 0.15625 In. P = L-e-C-B = 3.2438 In. W_W = C_DPW W_W = 1167.75 Lbs./Lag</p>
<p>(2) 1/4" x 4 1/2" Lag = 1974 Lbs. (4) 1/4" x 4 1/2" Lag = 3948 Lbs.</p>	<p>(2) 1/4" x 6" Lag = 2334 Lbs. (4) 1/4" x 6" Lag = 4668 Lbs.</p>
<p>1/4" x 3 1/2" SDS Dia. (D) = 0.2500 In. W = 172.0000 #/In. Len. (L) = 3.5000 In. P = L-C-B = 1.9000 In. W_W = C_DPW W_W = 522.88 Lbs./SDS</p>	<p>1/4" x 4 1/2" SDS Dia. (D) = 0.2500 In. W = 172.0000 #/In. Len. (L) = 4.5000 In. P = L-C-B = 1.9000 In. W_W = C_DPW W_W = 522.88 Lbs./SDS</p>
<p>(2) 1/4" x 3 1/2" SDS = 1044 Lbs. (4) 1/4" x 3 1/2" SDS = 2088 Lbs.</p>	<p>(2) 1/4" x 4 1/2" SDS = 1044 Lbs. (4) 1/4" x 4 1/2" SDS = 2088 Lbs.</p>
<p>1/4" x 4 1/2" SDS Dia. (D) = 0.2500 In. W = 172.0000 #/In. Len. (L) = 4.5000 In. P = L-C-B = 2.9000 In. W_W = C_DPW W_W = 798.08 Lbs./SDS</p>	<p>1/4" x 6" SDS Dia. (D) = 0.2500 In. W = 172.0000 #/In. Len. (L) = 6.0000 In. P = L-C-B = 3.4000 In. W_W = C_DPW W_W = 935.68 Lbs./SDS</p>
<p>(2) 1/4" x 4 1/2" SDS = 1596 Lbs. (4) 1/4" x 4 1/2" SDS = 3192 Lbs.</p>	<p>(2) 1/4" x 6" SDS = 1870 Lbs. (4) 1/4" x 6" SDS = 3740 Lbs.</p>