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## **FS-7270 & FS-7370 SERIES CONCRETE INSERT** **DESIGN LOADS**

<b><u>PART NUMBER</u></b>	<b><u>INSERT LENGTH</u></b>	<b><u>ALLOWABLE LOAD</u></b>
<b>FS-7250 &amp; FS-7350</b>	<b>4"</b>	<b>800 LB</b>
<b>FS-7251 &amp; FS-7351</b>	<b>6"</b>	<b>1000 LB</b>
<b>FS-7252 &amp; FS-7352</b>	<b>8"</b>	<b>1200 LB</b>
<b>FS-7253 &amp; FS-7353</b>	<b>12"</b>	<b>2000 LB</b>
<b>FS-7254/70 &amp; FS-7354/70</b>	<b>16" thru 20'</b>	<b>2000 LB/FT</b>

- \*Allowable loads based on a safety factor = 3.0 on ultimate capacity in 3,000 psi min. NWT concrete
- \*Minimum required spacing between point loads = 12"
- \*All connections require the use of 1/2" thru 3/4" strut nuts placed at a minimum of 2" from end of insert.
- \*Recommended bolt torques as follows: 1/2"=50 ft-lb; 5/8" & 3/4"=100 ft-lb (3/8" thick anchor recommended)
- \*Minimum required edge distance from centerline = 3" in both directions
- \*Minimum required end distance from end of channel = 3" in both directions
- \*For loads placed less than 2" from the end of the channel reduce the allowable load by 50%.
- \*Allowable point load is reduced to 1,100 lb with 3/8" strut nuts.