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FS-7470 & FS-7570 SERIES CONCRETE INSERT **DESIGN LOADS**

<u>PART NUMBER</u>	<u>INSERT LENGTH</u>	<u>ALLOWABLE LOAD</u>
FS-7450 & FS-7550	4"	600 LB
FS-7451 & FS-7551	6"	750 LB
FS-7452 & FS-7552	8"	900 LB
FS-7453 & FS-7553	12"	1500 LB
FS-7454/70 & FS-7554/70	16" – 20'	1500 LB/FT

- *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 to concrete edge = 3" in both directions
- *Minimum required end distance from end of channel to concrete edge = 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.