



# CONCRETE INSERTS

## FIG. 4201-4202

## 1<sup>5</sup>/<sub>8</sub>" X 1" X 12 GAUGE

**Material:**

Carbon steel

**Finish:**

Pre-galvanized

**Ordering:**

Specify figure number, material, and number of feet.

*Note: Furnished with end caps and Expanded Polyethylene filler for clean and easy removal. (Coined steel inserts and plastic closure strips available upon request.)*

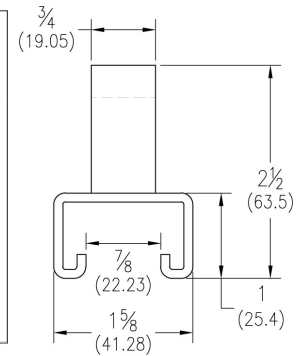
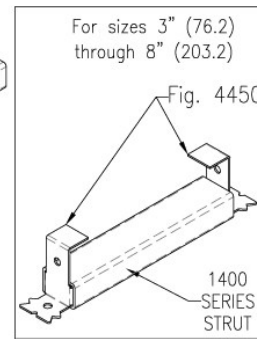
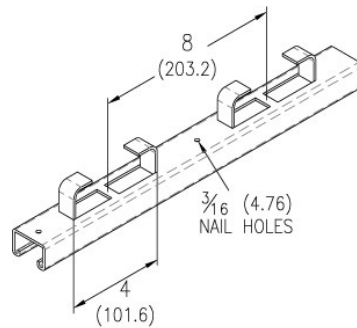
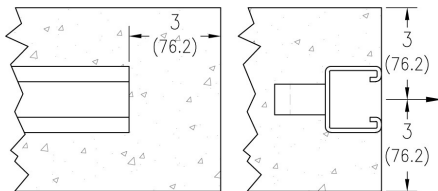


Fig. No.		Type - Description	Weight		Bundle Qty.			
10ft. 3.05m	20ft. 6.10m		lbs./ft.	kg/m	10ft. 3.05m	20ft. 6.10m	480	(146.3)
4201	4202	Continuous Concrete Strut	1.52	(2.26)	240	(73.15)	480	(146.3)

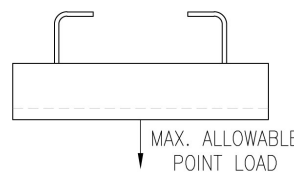
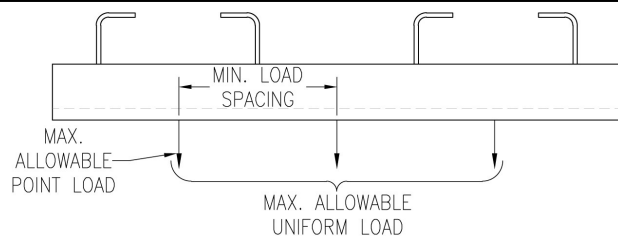
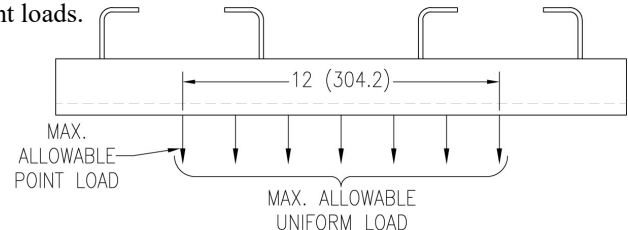
Length		Max. Allowable Point Load		Min. Spacing of Point Loads		Max. Allowable Uniform Load		Weight Each.	
in.	mm	lbs.	kN	in.	mm	lbs.	kN	lbs	kg
3	(76.2)	500	(2.22)	-	-	500	(2.22)	0.38	(0.17)
4	(101.6)	800	(3.56)	-	-	800	(3.56)	0.51	(0.23)
6	(152.4)	1000	(4.45)	-	-	1000	(4.45)	0.76	(0.34)
8	(203.2)	1200	(5.34)	-	-	1200	(5.34)	1.01	(0.46)
12	(304.8)	2000	(8.9)	12	(304.8)	2000 lbs/ft	(29.19 kN/m)	1.52	(0.69)
16	(406.4)	2000	(8.9)	12	(304.8)	2000 lbs/ft	(29.19 kN/m)	2.03	(0.92)
20	(508.0)	2000	(8.9)	12	(304.8)	2000 lbs/ft	(29.19 kN/m)	2.53	(1.15)
24	(609.6)	2000	(8.9)	12	(304.8)	2000 lbs/ft	(29.19 kN/m)	3.04	(1.38)
32	(812.8)	2000	(8.9)	12	(304.8)	2000 lbs/ft	(29.19 kN/m)	4.05	(1.84)
36	(914.4)	2000	(8.9)	12	(304.8)	2000 lbs/ft	(29.19 kN/m)	4.56	(2.07)
40	(1016.0)	2000	(8.9)	12	(304.8)	2000 lbs/ft	(29.19 kN/m)	5.07	(2.30)
48	(1219.2)	2000	(8.9)	12	(304.8)	2000 lbs/ft	(29.19 kN/m)	6.08	(2.76)
60	(1524.0)	2000	(8.9)	12	(304.8)	2000 lbs/ft	(29.19 kN/m)	7.60	(3.45)
72	(1828.8)	2000	(8.9)	12	(304.8)	2000 lbs/ft	(29.19 kN/m)	9.12	(4.14)
84	(2133.6)	2000	(8.9)	12	(304.8)	2000 lbs/ft	(29.19 kN/m)	10.64	(4.83)
96	(2438.4)	2000	(8.9)	12	(304.8)	2000 lbs/ft	(29.19 kN/m)	12.16	(5.52)
108	(2743.2)	2000	(8.9)	12	(304.8)	2000 lbs/ft	(29.19 kN/m)	13.68	(6.21)
120	(3048.0)	2000	(8.9)	12	(304.8)	2000 lbs/ft	(29.19 kN/m)	15.20	(6.89)
144	(3657.6)	2000	(8.9)	12	(304.8)	2000 lbs/ft	(29.19 kN/m)	18.24	(8.27)
168	(4267.2)	2000	(8.9)	12	(304.8)	2000 lbs/ft	(29.19 kN/m)	21.28	(9.65)
192	(4876.8)	2000	(8.9)	12	(304.8)	2000 lbs/ft	(29.19 kN/m)	24.32	(11.03)
216	(5486.4)	2000	(8.9)	12	(304.8)	2000 lbs/ft	(29.19 kN/m)	27.36	(12.41)
240	(6096.0)	2000	(8.9)	12	(304.8)	2000 lbs/ft	(29.19 kN/m)	30.40	(13.79)

PHD figure numbers 4201 and 4202 have a maximum recommended load rating of 2000 lbs/ft (29.19 kN/m) section. This load rating was based upon a concrete compressive strength of 3000psi. (20.68 mPa) and a safety factor of 3. PHD figure numbers 4201 and 4202 can utilize strut nuts that were designed for use with 1400 series strut channel.

**Minimum Edge Distance to Achieve Rated Pull-Out Capacity**



**The maximum allowable uniform load must be placed as a series of point loads.**



The maximum allowable point load may be placed anywhere along the insert.

All loads placed less than 2" from the end of an insert must be reduced by 50%.

Unless otherwise specified, all dimensions on drawings and in charts are in inches and dimensions shown in parentheses are in millimeters.