

## TECHNICAL DATA SHEET

### DESCRIPTION

The Dayton Superior T110 Superior Lift Insert consists of a forged foot anchor, 4-leg wire base, and plastic void former. The insert is positioned with the void direction toward the top of the panel and then is tied in place to the rebar cage. The T120 Superior Lifting Hardware allows quick attachment to the insert and remote ground release after the panel has been erected and braced. The T110 Superior Lift Inserts are shipped assembled, ready to go and are sized 1/8" less than the panel thickness. Optional T110BP (Base Plates) are available for insulated panel applications.

### APPLICATION

The T110 is installed in concrete tilt-up panels and used for lifting applications. The T110BP (Base Plates) can be added for insulated panel applications to prevent the insert from piercing into the insulation.



\*T110BP (Base Plates) Ordered Separately

### TECHNICAL DATA

- Standard insert heights are shown in the chart
- Minimum edge distance is 15"

Structural Panel Thickness	Anchor Size	Tension 2:1 2500psi	Shear 2:1 2500psi	Tension 2.5:1 2500psi	Shear 2.5:1 2500psi
5	3.625	11600	12400	9280	9920
5.5	4.125	13000	13400	10400	10720
6	4.625	14300	14800	11440	11840
6.5	5.125	15700	16400	12560	13120
7	5.625	17150	18000	13720	14400
7.25	5.875	17910	18800	14330	15040
7.5	6.125	18680	19600	14940	15680
8	6.625	20210	20940	16170	16750
8.5	7.125	21730	21370	17380	17100
9	7.625	23250	22870	18600	18300
9.25	7.875	24000	22970	22210	18370
9.5	7.875	24000	22970	22210	18370
10	7.875	24000	22970	22210	18370
10.5	7.875	24000	22970	22210	18370
11	7.875	24000	22970	22210	18370
11.25	7.875	24000	22970	22210	18370
11.5	7.875	24000	22970	22210	18370
12	7.875	24000	22970	22210	18370

### RELATED PRODUCTS

- T120 Lifting Hardware
- T110BP Base Plates
- T110E Edge Lift

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### ORDERING INFORMATION

#### T110 - SUPERIOR LIFT INSERT

Product Code	Description	Weight
127777	5" STRUCTURAL PANEL THICKNESS	2.20 LB
127203	5-1/2" STRUCTURAL PANEL THICKNESS	2.25 LB
127195	6" STRUCTURAL PANEL THICKNESS	2.35 LB
127196	6-1/4" STRUCTURAL PANEL THICKNESS	2.40 LB
127197	6-1/2" STRUCTURAL PANEL THICKNESS	2.45 LB
144009	6-3/4" STRUCTURAL PANEL THICKNESS	2.55 LB
127198	7" STRUCTURAL PANEL THICKNESS	2.70 LB
127199	7-1/4" STRUCTURAL PANEL THICKNESS	2.80 LB
127200	7-1/2" STRUCTURAL PANEL THICKNESS	2.80 LB
127201	8" STRUCTURAL PANEL THICKNESS	2.90 LB
127356	8-1/4" STRUCTURAL PANEL THICKNESS	2.98 LB
127355	8-1/2" STRUCTURAL PANEL THICKNESS	3.05 LB
129170	8-3/4" STRUCTURAL PANEL THICKNESS	3.12 LB
127358	9" STRUCTURAL PANEL THICKNESS	3.17 LB
127202	9-1/4" STRUCTURAL PANEL THICKNESS	3.22 LB
127357	9-1/2" STRUCTURAL PANEL THICKNESS	3.28 LB
129171	9-3/4" STRUCTURAL PANEL THICKNESS	4.40 LB
127360	10" STRUCTURAL PANEL THICKNESS	3.30 LB
127778	10-1/4" STRUCTURAL PANEL THICKNESS	3.35 LB
127359	10-1/2" STRUCTURAL PANEL THICKNESS	3.35 LB
127363	11" STRUCTURAL PANEL THICKNESS	3.40 LB
127362	11-1/4" STRUCTURAL PANEL THICKNESS	3.41 LB
127361	11-1/2" STRUCTURAL PANEL THICKNESS	3.42 LB
127354	12" STRUCTURAL PANEL THICKNESS	3.44 LB

#### T110BP - BASE PLATE

Product Code	Description	Weight
102139	T110BP Base Plates	0.15 LB

### MANUFACTURER

Dayton Superior Corporation  
1125 Byers Road  
Miamisburg, OH 45342  
Customer Service: 888-977-9600  
Technical Services: 877-266-7732  
Website: [www.daytonsuperior.com](http://www.daytonsuperior.com)

### WARRANTY (ACCESSORIES)

Limited Warranty. Dayton warrants, for a period of 60 days from the date of shipment (three years from the date of shipment in the case of formwork, excluding any consumable Products included with such formwork), that Products and any associated application drawings and engineering services provided by Dayton ("Ancillary Services") will be free from defects in material and workmanship and, in the case of custom designed formwork, that the formwork will meet the specifications set forth in the design drawings approved by Dayton and Customer. Any claim under this warranty must be made in writing within such warranty period. If any Product and/or Ancillary Service covered by a timely claim are found to be defective, Dayton will, within a reasonable time, make any necessary repairs or corrections or, at Dayton's option, replace the Product. Unless pre-authorized by Dayton in writing, Dayton will not accept any charges for correcting defects or accept the return of any Product. This warranty will not apply to any Products that have been subjected to misuse, neglect, storage damage, misapplication, accident or any other damage caused by any person other than Dayton, or that have not been maintained in accordance with Dayton's specifications. THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES AS TO THE PRODUCTS AND ANCILLARY SERVICES. DAYTON MAKES NO OTHER WARRANTIES OR GUARANTEES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE. THE REMEDIES SET FORTH IN THIS SECTION ARE CUSTOMER'S EXCLUSIVE REMEDY FOR BREACH OF WARRANTY.