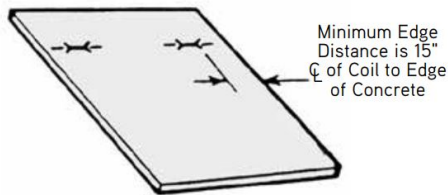
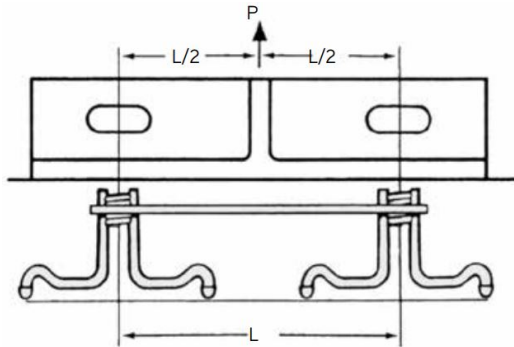
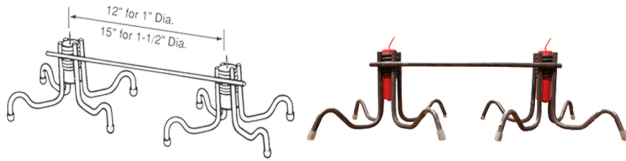


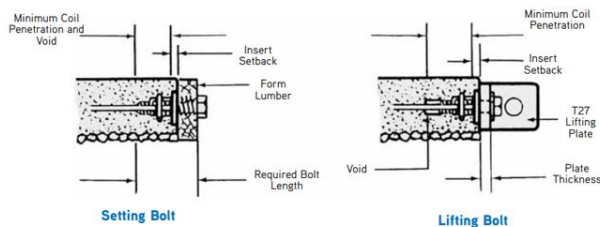
TECHNICAL DATA SHEET

DESCRIPTION

The T2 - Double Pick-Up Insert is a coil insert designed to be used with the T8 lifting angle for tilt-up applications.



How to determine bolt length



FEATURES

- Available to fit 1" or 1-1/2" diameter coil bolts.
- Available with plastic tipped feet or stainless steel tipped feet.
- Available with insert locator plugs installed.
- Insert is setback 3/8" from panel face.

TECHNICAL DATA

Panel Thickness and Safe Working Load per Insert (lbs.)
Safe working load provides a safety factor of ~2 to 1 in 2,500 psi concrete.

Coil Diameter	4"	5"	5-1/2"	6"	7"	8"
1"	5,400	8,100	9,400	10,800	13,500	16,000
1-1/2"	---	---	---	12,600	15,000	18,000

INSTALLATION

DO NOT use as an edge lifting insert, as insert is not designed for such use. Safe working loads were derived from analysis and testing using reinforced normal weight concrete (150 pcf). The safe working load of an insert is dependent on the compressive strength and density of the concrete in which it is embedded. Therefore, when Dayton Superior tilt-up inserts are used in "lightweight" concrete tilt-up panels, the safe working load must be recalculated to compensate for the reduction in concrete density. Multiply the published safe working load by the reduction factor shown in the table labeled "Safe Working Load Reduction Factors for Lightweight Concrete" below to obtain the corrected safe working load.

How to Determine Bolt Length			
Setting Bolt for Edge Inserts		Lifting Bolt for Edge Inserts	
Form Lumber	1-1/2"	T275 Plate Thickness	1"
Insert Setback	1/2"	Insert Setback	1/2"
Minimum Coil Penetration	2-1/2"	Minimum Coil Penetration	2-1/2"
Minimum Void	1/2"	Total Bolt Length	4"
Total Bolt Length	5"		

DANGER: All T2 inserts must be positioned with the two coils in a horizontal line. If not placed in a horizontal line, the shear loading (when the panel is raised to a vertical position) may be concentrated on one bolt only and severe strain will occur at the cable clevis and the lifting angle gusset. To determine the bolt length, always check to make certain that you have the proper clearance void to prevent the Lifting Bolt from bottoming out. You must be able to tighten the bolt down tight to prevent the lifting hardware from slipping and applying unexpected loads to the insert. Please see Chart labeled "How to determine bolt length" below.

Safe Working Load Reduction Factors for Lightweight Concrete	
Concrete Type	SWL Reduction Factor
Normal Weight	1
Sand-lightweight Concrete	0.85
All-lightweight Concrete	0.75
For all-lightweight concrete w/ a weight of 110 pcf or less	Verify by testing

TECHNICAL DATA SHEET

ORDERING INFORMATION

DOUBLE PICKUP INSERT - 1" DOUBLE PICKUP INSERT

Product Code	Description	Weight
48483	5-1/2" SLAB THICKNESS	3.88 LB
48484	6" SLAB THICKNESS	3.95 LB
48485	6-1/2" SLAB THICKNESS	4.20 LB
48486	7" SLAB THICKNESS	4.35 LB
48498	7-1/4" SLAB THICKNESS	4.50 LB
48487	7-1/2" SLAB THICKNESS	4.60 LB
48488	8" SLAB THICKNESS	4.65 LB
121672	8-1/2" SLAB THICKNESS	4.70 LB
48489	9" SLAB THICKNESS	4.85 LB
122505	9-1/4" SLAB THICKNESS	4.90 LB
122502	10" SLAB THICKNESS	5.00 LB
122503	12" SLAB THICKNESS	5.50 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

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.