

TECHNICAL DATA SHEET

DESCRIPTION

Fleet-Lift P92 Erection Anchors are specifically designed for horizontal to vertical edge lifts and handling of thin-walled precast concrete elements.

APPLICATION

Two steel protrusions or “ears” on the head of the anchor provide protection against concrete spalling. These protrusions restrict the ring clutch rotation during lateral pulls. As a result, lateral forces are transmitted directly to the edge of the anchor instead of the concrete.



FEATURES

- The body of the Erection Anchor is shaped to allow full reinforcement for secure support and spall-free rotation.
- P92 Erection Anchors are available plain or hot-dipped galvanized.

TECHNICAL DATA

SWL (tons)	A	B	C	D	E	F	G	H	J	X
2	2"	8"	3/8"	1-13/16"	2-3/8"	3-3/8"	5/8"	1"	1/2"	3/8"
4	2-1/2"	10-7/16"	5/8"	2-1/2"	3-3/16"	4-7/16"	3/4"	1-1/4"	3/4"	7/16"
8	3-3/4"	13-1/4"	3/4"	3-1/8"	4"	5-3/4"	1"	1-3/4"	3/4"	5/8"

Note: Dimension X is distance from surface of concrete to anchor.

P92 Fleet-Lift Erection Anchor (ton x length)	Precast Concrete Panel Thickness	Shear SWL w/ Shear Bar (lbs)	Tension SWL w/ Anchor Only (lbs)	Tension SWL w/ Tension Bar (lbs)
2-ton x 8" long	4" Min	1,650	2,575	4,000
	5"	1,875	3,350	
	6"	2,125	3,850	
	7"	2,400	4,000	
	8"	2,700	4,000	
	9"	2,925	4,000	
	10"	3,275	4,000	
	11"	3,575	4,000	
4-ton x 10-7/16" long	12"	4,000	4,000	8,000
	5-1/2" Min	2,400	4,700	
	6"	3,075	5,050	
	7"	3,250	5,825	
	8"	3,425	6,600	
	9"	3,825	7,350	
	10"	4,250	8,000	
	11"	4,650	8,000	
8-ton x 13-1/4" long	12"	5,050	8,000	16,000
	7-1/2"	4,000	7,500	
	8"	4,200	7,775	
	9"	4,550	8,300	
	10"	4,950	8,800	
	11"	5,050	10,000	
	12"	5,175	11,300	

Notes: 1. SWL are based on approx. a 4 to 1 factor of safety in 3,500 psi normal weight concrete.
2. Install shear bar and tension bar, when required, per instructions of preceding page.

INSTALLATION

1. Shear Reinforcement

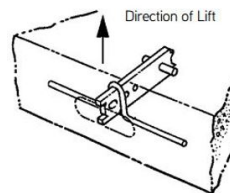
Stress is caused during the edge lift of a panel, making supplemental reinforcement around the anchor necessary in thin panels. Place the shear bar in the side notch of the anchor as shown in the sketch.

Note: A properly installed P98S Shear Bar is required to develop the shear safe working loads shown in the chart.

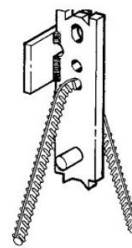
Tension Reinforcement

The P92 Dayton Superior Fleet-Lift Erection Anchor is manufactured with a steel tension pin that resists pullout during normal erection situations. The safe working load chart lists two sets of tension values. If the higher safe working load is used, the anchor must be properly reinforced using the P98T Tension Reinforcement. The tension bar should be placed through the lower hole of the anchor.

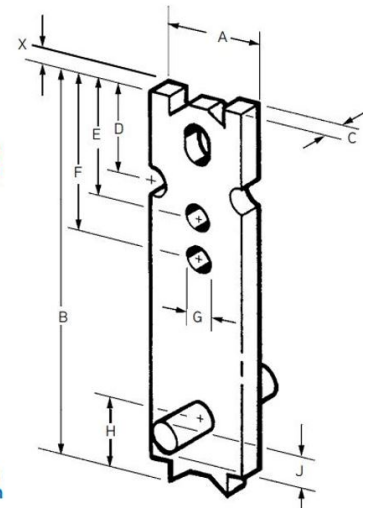
INSTALLATION



Typical P92 Fleet-Lift Erection Anchor/ Shear Bar Application



Typical P92 Fleet-Lift Erection Anchor/Tension Bar Application



RELATED PRODUCTS

- P98S - Fleet -Lift Shear Bar
- P98T - Fleet-Lift Tension Bar

ORDERING INFORMATION

FLEET LIFT™ ERECTION ANCHOR - N/A

Product Code	Description	Weight
FL049	8 TON 13.25" PLAIN	9.65 LB

TECHNICAL DATA SHEET**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.