

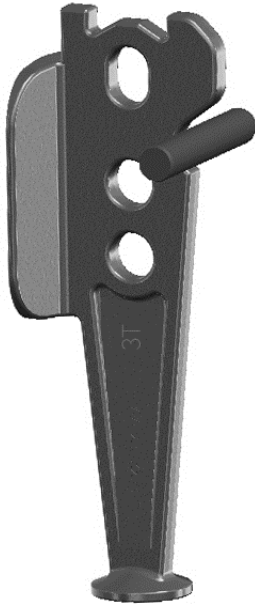
TECHNICAL DATA SHEET

DESCRIPTION

The Dayton Superior P92FEWDP Forged Erection Anchor with Shear Plate and Secondary Shear Pin is specifically designed to provide greater lifting capacities from horizontal to vertical edge lifts. By welding a solid shear pin opposite the shear plate, the anchor can resist shear loads in both directions.

APPLICATION

The P92FEWDP Forged Erection Anchor with Shear Plate and Secondary Shear Pin is designed specifically for edge tilting precast concrete elements from the horizontal to vertical position. When the panel is placed on an "A" frame or is required to be rotated 180°, the addition of the shear pin works with the shear plate to resist the shear load in the opposite direction of the shear plate. The shear pin helps to protect the concrete from spalling when the shear loads are applied in a secondary direction.



FEATURES

- The head of the anchor is designed with two protrusions or "ears" on the head of the anchor which 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.
- The P92FEWDP eliminated the needs for a shear bar on the primary and secondary shear loading
- Forged material has superior weathering and rain water corrosion resistance when compared to stamped anchors.
- Available in plain finish
- The P92FEWDP Forged Erection Anchor utilizes the Fleet P91S or Fleet P91NC lifting hardware and the P99 Recess Plugs.

BENEFITS

- Forged design creates up to 20% higher load capacity than stamped anchors which can reduce the number of anchors required.
- Forged anchors do not depend on welding or thread engagement to develop its safe working loads.
- Based on Charpy Impact Test, forged anchors have twice low temperature ductility over stamped anchors.

TECHNICAL DATA

Ton x Length	Part Number	Slab Thickness	Primary Shear SWL	Secondary Shear SWL	Tension SWL Anchor Only	Tension SWL w/ Tension Bar
3 Ton x 8"	142881	4"	1,800 lbs	1,390 lbs	6,000 lbs	6,000 lbs
		8"	4,000 lbs	3,000 lbs		
		12"	5,700 lbs	4,425 lbs		
6 Ton x 10-3/8"	142882	5-1/2"	3,100 lbs	2,560 lbs	10,000 lbs	12,000 lbs
		8"	4,040 lbs	3,660 lbs	12,000 lbs	
		12"	6,100 lbs	5,600 lbs	12,000 lbs	
10 Ton x 12-3/4"	142883	7-1/2"	4,600 lbs	3,630 lbs	17,890 lbs	20,000 lbs
		10"	6,100 lbs	4,900 lbs	20,000 lbs	
		12"	7,600 lbs	6,520 lbs	20,000 lbs	
12 Ton x 12-3/4"	100151	7-1/2"	4,600 lbs	3,630 lbs	17,890 lbs	23,450 lbs
		10"	6,100 lbs	4,900 lbs	20,695 lbs	
		12"	7,600 lbs	6,520 lbs	22,565 lbs	

Safe Working Load provides a factor of safety approximately 4 to 1 in 3,500 psi normal weight concrete.

INSTALLATION

1. The P92FEWDP anchor is set in the form with a P99 Recess Plug and with the shear plate in the down position to resist the primary shear load

RELATED PRODUCTS

- P98T Tension Bar
- P91S Lifting Hardware
- P91NC Lifting Hardware
- P99 Reusable Recess Plug
- P99D Disposable Recess Plug
- P99P Patch Cap

ORDERING INFORMATION

FORGED ERECTION ANCHOR W/PRIMARY SHEAR PLATE &

SECONDARY SHEAR PIN

Product Code	Description	Weight
142881	3 TON 8.00" PLAIN	2.1 LB
142882	6 TON 10.44" PLAIN	5.0 LB
142883	10 TON 12.56" PLAIN	8.2 LB
100155	12 TON 12.56" PLAIN	8.2 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

TECHNICAL DATA SHEET**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.