

TECHNICAL DATA SHEET

DESCRIPTION

The Dayton Superior P92FEW Forged Erection Anchor is specifically designed to provide greater lifting capacities from horizontal to vertical edge lifts. 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.

APPLICATION

The Dayton Superior P92FEW Fleet-Lift Forged Anchors are used for precast and tilt-up panel erection.



FEATURES

- Forged design creates up to 33% 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.
- The forged shear plate eliminates the need for a shear bar.
- Available in plain or hot dip galvanized finishes.
- Forged material have superior weathering and rain water corrosion resistance when compared to stamped anchors.
- Based on Charpy Impact Test, forged anchors have twice low temperature ductility over stamped anchors.

TECHNICAL DATA

| Ton x Length | Slab Thickness | Minimum Corner Distance | Shear Safe Working Load with Shear Plate | Tension Safe Working Load Anchor Only | Tension Safe Working Load with Tension Bar |
|------------------|----------------|-------------------------|--|---------------------------------------|--|
| 3 Ton x 8" | 4" | 12" | 1,800 lbs | 6,000 lbs | 6,000 lbs |
| | 5" | | 2,300 lbs | | |
| | 6" | | 2,800 lbs | | |
| | 7" | | 3,400 lbs | | |
| | 8" | | 4,000 lbs | | |
| | 9" | | 4,400 lbs | | |
| | 10" | | 4,800 lbs | | |
| | 11" | | 5,200 lbs | | |
| | 12" | | 5,700 lbs | | |
| 6 Ton x 10-3/8" | 5-1/2" | 16" | 3,100 lbs | 10,000 lbs | 12,000 lbs |
| | 6" | | 3,250 lbs | 10,500 lbs | |
| | 7" | | 3,700 lbs | 11,500 lbs | |
| | 8" | | 4,040 lbs | 12,000 lbs | |
| | 9" | | 4,600 lbs | 12,000 lbs | |
| | 10" | | 5,000 lbs | 12,000 lbs | |
| | 11" | | 5,500 lbs | 12,000 lbs | |
| | 12" | | 6,100 lbs | 12,000 lbs | |
| 10 Ton x 12-3/4" | 7-1/2" | 19" | 4,600 lbs | 17,890 lbs | 20,000 lbs |
| | 8" | | 4,800 lbs | 18,825 lbs | |
| | 9" | | 5,450 lbs | 19,760 lbs | |
| | 10" | | 6,100 lbs | 20,000 lbs | |
| | 11" | | 6,800 lbs | 20,000 lbs | |
| | 12" | | 7,600 lbs | 20,000 lbs | |
| 12 Ton x 12-3/4" | 7-1/2" | 19" | 4,600 lbs | 17,890 lbs | 23,450 lbs |
| | 8" | | 4,800 lbs | 18,825 lbs | |
| | 9" | | 5,450 lbs | 19,760 lbs | |
| | 10" | | 6,100 lbs | 20,695 lbs | |
| | 11" | | 6,800 lbs | 21,630 lbs | |
| 12" | 7,600 lbs | 22,565 lbs | | | |

1. Safe Working Load provides a factor of safety approximately 4 to 1 in 3,500 psi normal weight concrete.
 2. Anchors were tested in concrete with minimum reinforcing per ACI 318.

INSTALLATION

1. The P92FEW Anchor is set in the form with a P99 Recess Plug.

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RELATED PRODUCTS

- P92FE Forged Erection Anchor
- P98T Tension Bars
- P91S Lifting Hardware
- P99 Reusable Recess Plug
- P99D Disposable Recess Plug
- P99P Patch Cap

ORDERING INFORMATION

FLEET LIFT™ - FORGED ERECTION ANCHOR W/SHEAR

PLATE

| Product Code | Description | Weight |
|--------------|--------------------------------|---------|
| 129473 | 3 TON 8.00" PLAIN | 2.00 LB |
| 143424 | 6 TON 10.44" PLAIN | 4.60 LB |
| 100148 | 12 TON 12.56" PLAIN | 8.30 LB |
| 139577 | 3 TON 8.00" HOT DIPPED GALV. | 2.00 LB |
| 143425 | 6 TON 10.44" HOT DIPPED GALV. | 5.30 LB |
| 100149 | 12 TON 12.56" HOT DIPPED GALV. | 8.30 LB |

FLEET LIFT™ - FORGED ERECTION ANCHOR W/SHEAR

PLATE - MADE IN USA

| Product Code | Description | Weight |
|--------------|----------------------|---------|
| 143764 | 6 TON 10.44" PLAIN | 4.65 LB |
| 143763 | 10 TON 12.56" PLAIN | 8.50 LB |
| 143762 | 6 TON 10.44" HDGALV | 4.65 LB |
| 143761 | 10 TON 12.56" HDGALV | 8.50 LB |

MANUFACTURER

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 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.