

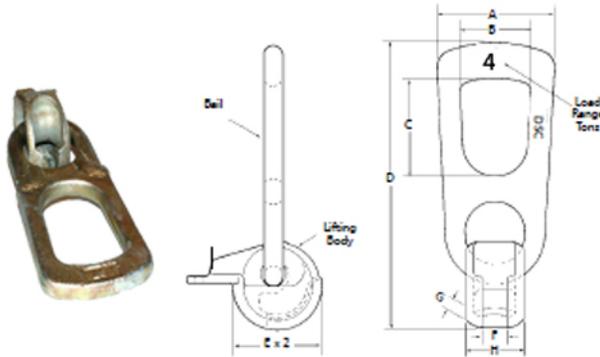
TECHNICAL DATA SHEET

DESCRIPTION

The P50 Swift Lift Universal Lifting Eye consists of a flat-sided, spherical lifting body and a high strength ball.

APPLICATION

The P50 lifting body has a T-shaped slot that permits rapid attachment and release of the head on Swift Lift Anchors.



FEATURES

- The design of the P50 Universal Lifting Eye permits the bail to freely rotate 180°, while the complete lifting eye may rotate through a 360° arc
- Dayton Superior does not recommend the use of this lifting eye for edge lifting of thin precast concrete panels

TECHNICAL DATA

P50 SWIFT LIFT UNIVERSAL LIFTING EYE DIMENSIONS									
Rated Load Tons	A	B	C	D	Ex2	F Maximum Width	G Minimum Thickness	H	
1	2.9"	1.7"	2.8"	7.5"	2.20"	0.56"	0.22"	1.26"	
2	3.5"	2.3"	3.3"	9.0"	2.68"	0.76"	0.23"	1.65"	
4	4.6"	2.8"	3.5"	11.0"	3.46"	1.02"	0.31"	2.26"	
8	6.3"	3.3"	4.4"	15.6"	4.40"	1.31"	0.47"	2.90"	
20	7.3"	4.6"	5.9"	20.4"	5.98"	1.86"	0.71"	4.35"	

The rated load provides a factor of safety of approximately 5 to 1 (ultimate rated load)

INSTALLATION

1. To install the P50 lifting eye, hold the unit upside down with the T-shaped slot directly over the head of the Swift Lift anchor.
2. Lower the lifting eye down onto the anchor until the T-slot engages the head of the anchor.
3. Rotate the lifting eye until the extended lip of the body touches the horizontal surface of the concrete.
4. NOTE: Prior to lifting a precast element, apply an initial cable tension to make sure that the bail and body of the lifting eye are aligned in the direction.
5. The bail of the P50 lifting eye can move through a 180° usable range.
6. The main body of the lifting eye has a 360° rotational range.

7. The P50 lifting eye can be safely used with the T-shaped slot facing away from or toward the direction of the applied load.
8. To disengage the lifting eye, the crane hook is lowered and the body removed by rotating the extended lip upward.
9. Prior to lifting a precast element, apply an initial cable tension to make certain that the bail and body of the lifting eye are aligned in the direction of the cable pull.
10. When applying the initial cable tension on edge lift applications, make sure that the cables are at a 90° angle (or larger) to the surface of the precast element.
11. WARNING: Do not allow the crane lines to form an angle less than 90° during the edge lift application. This condition can bend the lifting eye bail and could lead to premature failure.
12. WARNING: The crane line and bail of the lifting hardware must be turned in the direction of the cable forces before the lifting operation begins. The crane line must not be allowed to apply a sideward force on the bail. This condition is dangerous and could lead to premature failure of the hardware or insert.
13. WARNING: Do not modify or alter in any way the Swift Lift Universal Lifting Eye.

Inspection and Maintenance

14. The P50 Universal Lifting Eye may be subject to wear, misuse, overloading and other factors that can affect the lifting eye's rated load. Therefore, it is imperative that the lifting eye be user-inspected at least once a month to determine its general condition and degree of wear.
15. During the user's monthly inspection, the lifting eye should be checked for evidence of heat application. If evidence of heat application is found, the unit must be scrapped. Check for a bent or twisted bail and discard all units found to have these flaws. Also, check to make certain that the bail rotates freely in all directions.
16. At least once every three months, dimensions "F" and "G" on each unit should be checked. The upper limits are shown in the chart. If either of these limits is exceeded, the P50 Universal Lifting Eye must be removed from service and destroyed.
17. The proper method for scrapping a lifting eye is to cut through the bail with a cutting torch to render the unit useless as a lifting device.
18. No repairs or welding to the P50 Swift Lift Universal Lifting Eye are permitted.

RELATED PRODUCTS

- P52 Swift Lift Anchors
- P53 Swift Lift Eye Anchors

TECHNICAL DATA SHEET

ORDERING INFORMATION

U.S. PATENT NO. 4,398,762

Product Code	Description	Weight
60571	1 TON SWL	2.04 LB
60574	2 TON SWL	3.44 LB
60577	4 TON SWL	6.68 LB
60580	8 TON SWL	20.6 LB
60583	20 TON SWL	46.35 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.