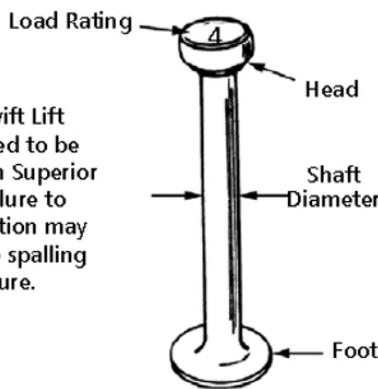


## TECHNICAL DATA SHEET

### DESCRIPTION

The P52 Swift Lift Anchor is hot forged from carbon steel. The formed head provides spherical seating that the Lifting Eye engages, while a disc-shaped foot is embedded in the concrete.

Due to its being a forged part, the Swift Lift Anchor does not depend on welds or thread engagement to develop its safe working load. Forging provides maximum safety with its advantageous material structure.



**Caution:** The Swift Lift Anchor is designed to be used with Dayton Superior components. Failure to use this combination may result in concrete spalling or premature failure.

### FEATURES

- In addition to the carbon steel anchors, Type 304 or 316 Stainless Steel Swift Lift Anchors are available on special order. Use stainless steel anchors when maximum protection against corrosion is required.
- The MAXIMUM safe working load is clearly visible on the head of the anchor for easy recognition of the appropriate hardware and accessories for use with each Swift Lift Anchor.

### TECHNICAL DATA

| Capacity (ton)<br>x Length (in) | SWL at Concrete Strength |                |                | Minimum Edge Distance (inches) |
|---------------------------------|--------------------------|----------------|----------------|--------------------------------|
|                                 | 1600psi (lbs)            | 3500 psi (lbs) | 5000 psi (lbs) |                                |
| 1 x 2-5/8                       | 1,149                    | 1,700          | 2,000          | 8                              |
| 1 x 3-3/8                       | 1,705                    | 2,000          | 2,000          | 10                             |
| 1 x 4-3/4                       | 2,000                    | 2,000          | 2,000          | 10                             |
| 1 x 8                           | 2,000                    | 2,000          | 2,000          | 10                             |
| 1 x 9-1/2                       | 2,000                    | 2,000          | 2,000          | 10                             |
| 2 x 2-3/4                       | 1,420                    | 2,100          | 2,510          | 8                              |
| 2 x 3-3/8                       | 1,960                    | 2,900          | 3,466          | 10                             |
| 2 x 4-3/4                       | 2,704                    | 4,000          | 4,000          | 10                             |
| 2 x 5-1/2                       | 4,000                    | 4,000          | 4,000          | 13                             |
| 2 x 6                           | 4,000                    | 4,000          | 4,000          | 13                             |
| 2 x 6-3/4                       | 4,000                    | 4,000          | 4,000          | 13                             |
| 2 x 11                          | 4,000                    | 4,000          | 4,000          | 14                             |
| 4 x 3-3/4                       | 2,704                    | 4,000          | 4,780          | 12                             |
| 4 x 4-1/4                       | 3,313                    | 4,900          | 5,856          | 13                             |
| 4 x 4-3/4                       | 3,921                    | 5,800          | 6,932          | 14                             |
| 4 x 5-1/2                       | 5,003                    | 7,400          | 8,000          | 17                             |
| 4 x 5-3/4                       | 5,341                    | 7,900          | 8,000          | 17                             |
| 4 x 7-1/8                       | 7,591                    | 8,000          | 8,000          | 20                             |
| 4 x 9-1/2                       | 8,000                    | 8,000          | 8,000          | 17                             |
| 4 x 14                          | 8,000                    | 8,000          | 8,000          | 18                             |
| 4 x 19                          | 8,000                    | 8,000          | 8,000          | 20                             |
| 8 x 4-3/4                       | 4,327                    | 6,400          | 7,649          | 16                             |
| 8 x 5-1/4                       | 4,631                    | 6,850          | 8,187          | 16                             |
| 8 x 6-3/4                       | 7,572                    | 11,200         | 13,386         | 21                             |
| 8 x 8-7/8                       | 9,500                    | 14,500         | 16,000         | 24                             |
| 8 x 10                          | 12,800                   | 16,000         | 16,000         | 24                             |
| 8 x 13-3/8                      | 16,000                   | 16,000         | 16,000         | 24                             |
| 8 x 26-3/4                      | 16,000                   | 16,000         | 16,000         | 27                             |
| 20 x 10                         | 16,905                   | 25,000         | 29,880         | 24                             |
| 20 x 19-3/4                     | 27,044                   | 40,000         | 40,000         | 31                             |

SWL's provide a factor of safety of approximately 4 to 1 in normal weight concrete. Safe Working Load is based on anchor setback from face of concrete "X" dimension.

### INSTALLATION

1. Determination of the required rated load and length of a P52 Swift Lift Anchor is based on the actual maximum load that is transferred to the anchor. In most cases, a flat slab can be handled with the anchors properly located in the face of the flat slab. The anchors should normally be the maximum length that can be accommodated in the slab's structural thickness, allowing at least 1/2" clearance between the anchor and the casting bed. Dimension tables and safe working load charts, contained herein, will aid in the selection of the proper anchor. Keep in mind that the safe working load of an anchor is a function of several factors.
2. The effective concrete thickness
3. Actual edge distance
4. Concrete compressive strength at time of lift
5. Anchor lift
6. In some applications, the use of a shear bar

## TECHNICAL DATA SHEET

### RELATED PRODUCTS

- P56 and P56PL Recess Plug
- P50 or P51 Lifting Hardware
- P54 Throw-Away Plug

### HOW TO ORDER

Additional non-stocked, Made to Order sizes and materials available. Please call for availability, lead time and pricing.

### ORDERING INFORMATION

#### SWIFT LIFT® ANCHOR - PLAIN

| Product Code | Description                 | Weight    |
|--------------|-----------------------------|-----------|
| 60590        | 1 TON SWL 3/8" X 2-5/8"     | 0.148 LB  |
| 60596        | 1 TON SWL 3/8" X 4-3/4"     | 0.210 LB  |
| 60602        | 1 TON SWL 3/8" X 9-1/2"     | 0.364 LB  |
| 60605        | 2 TON SWL 9/16" X 2-3/4"    | 0.309 LB  |
| 60608        | 2 TON SWL 9/16" X 3-3/8"    | 0.349 LB  |
| 60611        | 2 TON SWL 9/16" X 5-1/2"    | 0.497 LB  |
| 60614        | 2 TON SWL 9/16" X 6"        | 0.520 LB  |
| 60617        | 2 TON SWL 9/16" X 6-3/4"    | 0.576 LB  |
| 60620        | 2 TON SWL 9/16" X 11"       | 0.840 LB  |
| 60623        | 4 TON SWL 3/4" X 3-3/4"     | 0.798 LB  |
| 60626        | 4 TON SWL 3/4" X 4-1/4"     | 0.918 LB  |
| 60629        | 4 TON SWL 3/4" X 4-3/4"     | 0.916 LB  |
| 60632        | 4 TON SWL 3/4" X 5-1/2"     | 1.014 LB  |
| 60633        | 4 TON SWL 3/4" X 5-3/4"     | 1.010 LB  |
| 60635        | 4 TON SWL 3/4" X 7-1/8"     | 1.208 LB  |
| 60638        | 4 TON SWL 3/4" X 9-1/2"     | 1.498 LB  |
| 60641        | 4 TON SWL 3/4" X 14"        | 2.194 LB  |
| 60645        | 8 TON SWL 1-3/32" X 4-3/4"  | 2.083 LB  |
| 121988       | 8 TON SWL 1-3/32" X 5-1/4"  | 2.183 LB  |
| 60647        | 8 TON SWL 1-3/32" X 6-3/4"  | 2.590 LB  |
| 60648        | 8 TON SWL 1-3/32" X 10"     | 3.360 LB  |
| 101016       | 8 TON SWL 1-3/32" X 8-7/8"  | 3.046 LB  |
| 60650        | 8 TON SWL 1-3/32" X 13-3/8" | 4.150 LB  |
| 60652        | 8 TON SWL 1-3/32" X 26-3/4" | 8.000 LB  |
| 60653        | 20 TON SWL 1-1/2" X 10"     | 8.000 LB  |
| 60657        | 20 TON SWL 1-1/2" X 19-3/4" | 13.120 LB |

#### SWIFT LIFT® ANCHOR - PLAIN - MADE IN USA

| Product Code | Description                 | Weight   |
|--------------|-----------------------------|----------|
| 146321       | 1 TON SWL 3/8" X 3-3/8"     | 0.190 LB |
| 146323       | 1 TON SWL 3/8" X 4-3/4"     | 0.210 LB |
| 146325       | 1 TON SWL 3/8" X 8"         | 0.420 LB |
| 146327       | 1 TON SWL 3/8" X 9.5"       | 0.360 LB |
| 129116       | 2 TON SWL 9/16" X 11"       | 0.960 LB |
| 146316       | 8 TON SWL 1-3/32" X 5-3/4"  | 2.383 LB |
| 129125       | 8 TON SWL 1-3/32" X 6-3/4"  | 2.750 LB |
| 129126       | 8 TON SWL 1-3/32" X 10"     | 3.950 LB |
| 129127       | 8 TON SWL 1-3/32" X 13-3/8" | 4.610 LB |
| 129128       | 8 TON SWL 1-3/32" X 26-3/4" | 8.830 LB |
| 100631       | 20 TON SWL 1-1/2" X 8"      | 6.077 LB |
| 129129       | 20 TON SWL 1-1/2" X 10"     | 7.011 LB |
| 129130       | 20 TON SWL 1-1/2" X 19-3/4" | 13.06 LB |

#### SWIFT LIFT® ANCHOR - HOT-DIPPED GALV.

| Product Code | Description                 | Weight   |
|--------------|-----------------------------|----------|
| 126872       | 1 TON SWL 3/8" X 3-3/8"     | 0.190 LB |
| 126871       | 1 TON SWL 3/8" X 4-3/4"     | 0.209 LB |
| 101688       | 1 TON SWL 3/8" X 8"         | 0.321 LB |
| 101689       | 1 TON SWL 3/8" X 9.5"       | 0.373 LB |
| 60660        | 2 TON SWL 9/16" X 2-3/4"    | 0.309 LB |
| 60663        | 2 TON SWL 9/16" X 3-3/8"    | 0.349 LB |
| 101047       | 2 TON SWL 9/16" X 3-3/4"    | 0.449 LB |
| 143694       | 2 TON SWL 9/16" X 4-3/4"    | 0.480 LB |
| 60666        | 2 TON SWL 9/16" X 5-1/2"    | 0.495 LB |
| 60669        | 2 TON SWL 9/16" X 11"       | 0.840 LB |
| 60670        | 4 TON SWL 3/4" X 3-3/4"     | 0.830 LB |
| 60671        | 4 TON SWL 3/4" X 4-1/4"     | 0.880 LB |
| 60673        | 4 TON SWL 3/4" X 4-3/4"     | 0.985 LB |
| 60668        | 4 TON SWL 3/4" X 5-1/2"     | 1.020 LB |
| 60675        | 4 TON SWL 3/4" X 9-1/2"     | 1.570 LB |
| 126864       | 4 TON SWL 3/4" X 19"        | 2.750 LB |
| 126863       | 8 TON SWL 1-3/32" X 4-3/4"  | 2.100 LB |
| 60677        | 8 TON SWL 1-3/32" X 6-3/4"  | 2.694 LB |
| 101017       | 8 TON SWL 1-3/32" X 8-7/8"  | 3.050 LB |
| 124506       | 8 TON SWL 1-3/32" X 10"     | 3.496 LB |
| 60679        | 8 TON SWL 1-3/32" X 13-3/8" | 4.330 LB |
| 126801       | 8 TON SWL 1-3/32" X 26-3/4" | 8.830 LB |
| 124586       | 20 TON SWL 1-1/2" X 10"     | 8.200 LB |
| 126868       | 20 TON SWL 1-1/2" X 19-3/4" | 13.25 LB |

#### SWIFT LIFT® ANCHOR - HOT-DIPPED GALV. - MADE IN USA

| Product Code | Description                 | Weight    |
|--------------|-----------------------------|-----------|
| 146322       | 1 TON SWL 3/8" X 3-3/8"     | 0.190 LB  |
| 146324       | 1 TON SWL 3/8" X 4-3/4"     | 0.220 LB  |
| 146326       | 1 TON SWL 3/8" X 8"         | 0.420 LB  |
| 146328       | 1 TON SWL 3/8" X 9.5"       | 0.370 LB  |
| 129131       | 2 TON SWL 9/16" X 3-3/4"    | 0.400 LB  |
| 146334       | 2 TON SWL 9/16" X 4-3/4"    | 0.450 LB  |
| 129132       | 2 TON SWL 9/16" X 5-1/2"    | 0.500 LB  |
| 129134       | 2 TON SWL 9/16" X 6-3/4"    | 0.590 LB  |
| 129138       | 4 TON SWL 3/4" X 4-3/4"     | 0.985 LB  |
| 129139       | 4 TON SWL 3/4" X 5-1/2"     | 1.100 LB  |
| 129142       | 4 TON SWL 3/4" X 14"        | 2.120 LB  |
| 126972       | 8 TON SWL 1-3/32" X 5-1/4"  | 2.150 LB  |
| 129146       | 8 TON SWL 1-3/32" X 6-3/4"  | 2.690 LB  |
| 129147       | 8 TON SWL 1-3/32" X 10"     | 3.950 LB  |
| 129148       | 8 TON SWL 1-3/32" X 13-3/8" | 4.550 LB  |
| 129149       | 8 TON SWL 1-3/32" X 26-3/4" | 8.830 LB  |
| 100632       | 20 TON SWL 1-1/2" X 8"      | 6.077 LB  |
| 129150       | 20 TON SWL 1-1/2" X 10"     | 9.700 LB  |
| 129151       | 20 TON SWL 1-1/2" X 19-3/4" | 13.060 LB |

## TECHNICAL DATA SHEET

### SWIFT LIFT® ANCHOR - CANADA ONLY

| Product Code | Description                          | Weight   |
|--------------|--------------------------------------|----------|
| 123300       | 4 TON SWL 2-1/2" PLAIN; CANADA ONLY  | 0.654 LB |
| 60621        | 4 TON SWL 3" PLAIN; CANADA ONLY      | 0.698 LB |
| 60622        | 4 TON SWL 3-1/2" PLAIN; CANADA ONLY  | 0.761 LB |
| 60628        | 4 TON SWL 4-1/2" PLAIN; CANADA ONLY  | 1.200 LB |
| 60631        | 4 TON SWL 5-1/4" PLAIN; CANADA ONLY  | 1.010 LB |
| 60633        | 4 TON SWL 5-1/3" PLAIN; CANADA ONLY  | 1.010 LB |
| 121018       | 8 TON SWL 5-3/4" PLAIN; CANADA ONLY  | 2.383 LB |
| 120959       | 8 TON SWL 6-1/4" PLAIN; CANADA ONLY  | 2.483 LB |
| 60646        | 8 TON SWL 7-1/8" PLAIN; CANADA ONLY  | 2.694 LB |
| 60649        | 8 TON SWL 5-3/4" PLAIN; CANADA ONLY  | 3.032 LB |
| 101087       | 8 TON SWL 7-1/8" HDGALV; CANADA ONLY | 2.710 LB |
| 101088       | 8 TON SWL 8-1/4"HDGALV; CANADA ONLY  | 3.050 LB |

### SWIFT LIFT® ANCHOR - CANADA ONLY - MAGAZINE

#### ANCHORS

| Product Code | Description                                   | Weight   |
|--------------|---|----------|
| 123932       | 4 TON SWL 90MM MAGAZINE ANCHORS; CANADA ONLY  | 0.730 LB |
| 123934       | 4 TON SWL 100MM MAGAZINE ANCHORS; CANADA ONLY | 0.810 LB |
| 123936       | 4 TON SWL 110MM MAGAZINE ANCHORS; CANADA ONLY | 0.910 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.