

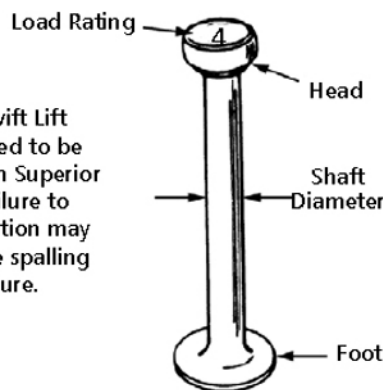
## TECHNICAL DATA SHEET

### 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) 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
102092	8 TON SWL 1-3/32" X 8-7/8"	3.046 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
102093	8 TON SWL 1-3/32" X 8-7/8"	3.046 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<sup>®</sup> 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<sup>®</sup> 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  
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Miamisburg, OH 45342  
Customer Service: 888-977-9600  
Technical Services: 877-266-7732  
Website: [www.daytonsuperior.com](http://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.