

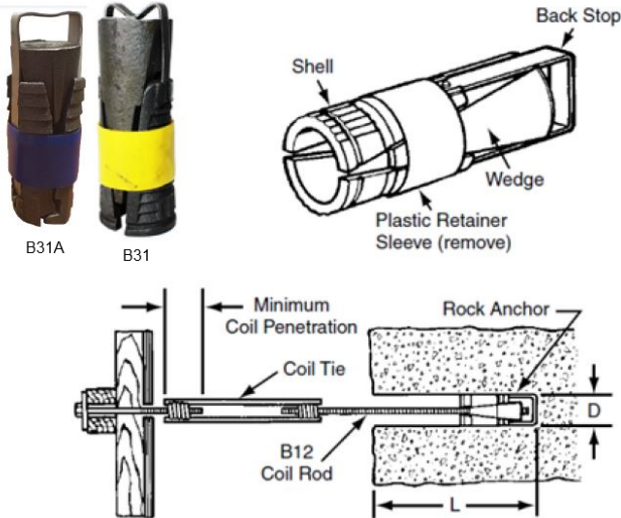
TECHNICAL DATA SHEET

DESCRIPTION

B31/B31A Rock Anchor is a preassembled unit tapped with 1/2", 3/4" or 1" diameter coil thread.

APPLICATION

Rock anchors are used in sound rock or concrete allows one-sided forming of walls or similar applications to be completed quickly and economically.



FEATURES

- The B31/B31A Rock Anchor is not a reusable device.
- NC thread is available on special order.
- For safe construction practice, the most critical factor to consider is the actual anchorage capacity provided by the rock strata or concrete in which the rock anchor is to be installed. Correct hole depth and actual rock anchor capacity must always be determined by field tests before placing rock anchors into general use on a project.
- Ultimate Loads are based on 3,500 psi normal weight concrete and 100 lb-ft torque.

TECHNICAL DATA

B31 / B31A Rock Anchor Selection Chart

Coil Rod Dia.	Type	Min. Hole Depth "L"	Required Hold Dia. "D"	Ultimate Load Tension (lbs.)
1/2"	B31A	6"	1-3/8"	9,000
3/4"	B31	8"	1-5/8"	18,000
1"	B31	10"	1-3/4"	36,000

INSTALLATION

1. The bore hole for the rock anchor must be drilled perpendicular to the exposed bearing surface. The load carrying capacity of the rock anchor is greatly reduced when there is an angle between the nut on the coil rod and the bearing surface.
2. It is extremely important to drill the proper size bore hole for the appropriate rock anchor. Avoid "dog leg" or "rifled" holes, they will hinder anchor installation. It is also important to avoid letting the drill dwell at the bottom of the hole. This can cause an enlargement at the bottom of the hole and result in a loss of anchorage strength.
3. The rock anchor is threaded onto the coil rod until the rod hits the backstop of the anchor.
4. The plastic retaining sleeve is removed and the rock anchor/coil assembly is placed into the bore hole.
5. The assembly is installed so that the anchor backstop "bottoms" in the bore hole.
6. Tightening the coil rod will draw the anchor wedges forward to expand the anchor's shell.
7. Care should be taken to not overtighten the anchor.

RELATED PRODUCTS

- B12 Coil Rod

HOW TO ORDER

Specify: (1) quantity, (2) name, (3) coil rod diameter.
Example: 600 pcs. B31/B31A Rock Anchor, 1/2" coil thread.

ORDERING INFORMATION

Product Code	Description	Weight
146538	1/2" X 6"	0.75 LB
60022	3/4" X 8" - MADE IN USA	0.988 LB
60023	1" X 10" - MADE IN USA	1.367 LB
100128	1" X 10"	1.367 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.