



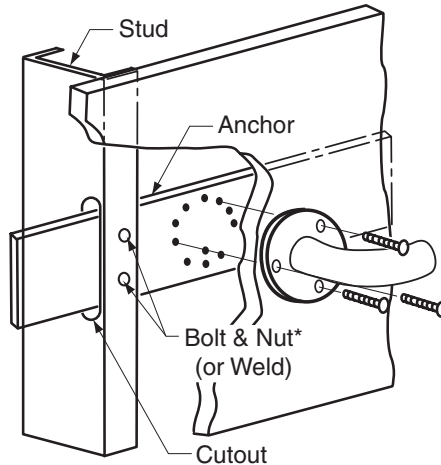
**Advisory Bulletin**

# CONCEALED ANCHOR PLATES FOR STUD WALL CONSTRUCTION

# TB-49

Bobrick anchor plates are designed for secure installation of all Bobrick grab bars specified for stud wall construction. The hole pattern(s) will accommodate all the mounting screw configurations found in Bobrick grab bar flanges and mounting plates (see Figure 1).

**Figure 1**



**\*Not Furnished by Bobrick**

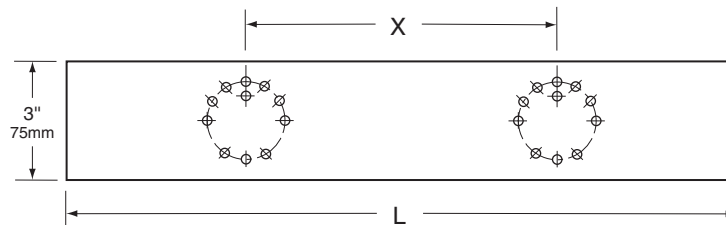
### 2562 Series Anchor Plates

For B-490, B-5806, B-6106 and B-6806 Series Grab Bars  
(Shown mounted on face of stud for plaster wall application)

### DESIGN AND CONSTRUCTION:

Bobrick 256 Series anchor plates are constructed of 3-inch (75mm) wide, 12-gauge (.105) galvanized steel. 1/4"-20 threaded holes for grab bar mounting screws are extruded, then tapped, to form minimum .200-inch (5.1mm) length of usable thread per hole. This provides a solid grip on mounting screws and assures permanently rigid installation. Tests show that on direct pull-out, each anchor plate hole can hold in excess of 1500 pounds (6.7 kN) before thread failure.

**Figure 2**



Span Between Hole Patterns	Anchor Plate	For Use With	
		B-5806 & B-6806 Series Grab Bars	B-490 & B-6106 Series Grab Bars
		Number of Screws Required Per Grab Bar Flange	Number of Screws Required Per Grab Bar Flange
24" 610mm	2562-24	2	3
36" 915mm	2562-36	2	3
Single-Point Attachment or Span that is not 24" or 36"	2562-0	2	3

Screws are Furnished and are 1/4"-20 Pan-Head, Stainless Steel Machine Screws

These anchor plates are available in 24", 36", and 48" (610, 915, and 1220mm) lengths with hole patterns spaced 24" to 36" (610 to 915mm) apart. For grab bars having flanges or mounting plates that are not 24" (610mm) or 36" (915mm) apart, there is a 24" (610mm) anchor plate with a single hole pattern (see Figure 2).

Anchor plates are furnished with stainless steel machine screws for the attachment of grab bars.

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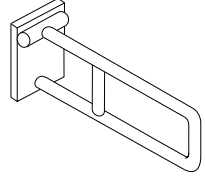
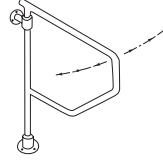
**DIRECTIONS FOR USING THE TABLE ON PAGE 3 TO DETERMINE THE CORRECT ANCHOR PLATE MODEL NUMBER, SIZE, AND QUANTITY:**

The table on page 3 may be used as outlined in the steps below to determine the correct model, size, and quantity of Bobrick anchor plates recommended for all Bobrick grab bar models.

1. Find the grab bar series you want in the columns under "Concealed Mounting" or "Exposed Mounting". The appropriate anchor plate model number is listed below each grab bar series (*xx* signifies the size to be specified in step 2b).
2. In the column below each grab bar model number are figures designating the quantity and size of the anchor plate(s) required for that grab bar model.
  - a. The number of anchor plates required is shown in parentheses, e.g., (1) means one anchor plate is required.
  - b. The number preceded by a dash tells the span between the hole patterns in each anchor plate; e.g., -24 means there is a span of 24 inches between the two hole patterns in the anchor plate, -36 means a span of 36 inches, and -0 means there is only one hole pattern in the anchor plate. Add this number to the anchor plate model number to specify the size.

**EXAMPLE: To determine the correct anchor plates to order for a Model B-5837 horizontal two-wall grab bar of the B-5806 Series:**

1. Find the *B-5806 Series* caption in the second column (it is in the fourth row). The space below the B-5806 Series caption shows that the correct anchor plate for this grab bar series is *Model 2562*.
2. Find the *Horizontal Two-Wall Grab Bar 36 x 54* configuration at left of the chart (it is in the 4th row). Follow the column down to the *B-5837* caption that is located in the B-5806 Series column.
3. The space below the *B-5837* caption shows that three anchor plates of the -0 size (the 24-inch anchor plate with only one hole pattern) are required for this grab bar model. Add -0 to the anchor plate model number found in step 1.
4. Therefore, for each Model B-5837 Horizontal Two-Wall Grab Bar of the B-5806 Series, we recommend that you specify three Model 2562-0 Anchor Plates.

GRAB BAR SERIES	GRAB BAR CONFIGURATION							
	Concealed Mounting				Exposed Mounting			
	B-6806 Series Grab Bar Quantity Anchor 2562-xx		B-5806 Series Grab Bar Quantity Anchor 2562-xx		B-6106 Series Grab Bar Quantity Anchor 2562-xx		B-490 Series Grab Bar Quantity Anchor 2562-xx	
 Straight	B-6806 x _____	B-5806 x _____	B-6106 x _____	B-490 x _____				
	12" (2) -0	12" (2) -0	18" (2) -0	12" (2) -0				
	18" (2) -0	18" (2) -0	24" (1) -24	18" (2) -0				
	24" (1) -24	24" (1) -24	36" (1) -36	24" (1) -24				
	30" (2) -0	30" (2) -0	42" (2) -0	30" (2) -0				
	36" (1) -36	36" (1) -36	48" (2) -0	36" (1) -36				
	42" (2) -0	42" (2) -0		42" (2) -0				
	48" (2) -0	48" (2) -0		48" (2) -0				
 Toilet Compartment Tub/Shower 24 x 36	B-68616	B-58616						
	(3) -0	(3) -0						
Horizontal Two-Wall Bars  Grab Bar for Shower Stall 36 x 36	B-6861							
	(3) -0							
 Toilet Compartment Tub/Shower 36 x 54	B-68137	B-5837						
	(3) -0	(3) -0						
 Swing Up							B-4998 4998-29 Mtg. Kit (1)	
 Swing Away							B-4993 Not Supplied Make Own to Meet Code (1)	

**INSTALLATION:**

Attach grab bar to appropriate anchor plate(s) using furnished 1/4"-20 x 2" machine screws. Position anchor plate at specified wall location to determine exact placement of the anchor plate(s) on studs. Mark studs and anchor plate(s) for correct mounting location.

The anchor plate(s) must be attached to steel studs at both ends for proper support. Figure 3 illustrates four commonly specified grab bar configurations and the suggested placement of Bobrick anchor plates. Cantilevering of anchor plate between studs should be avoided. If this condition occurs, extension plates must be used. These extensions may be of steel plate or remnant stud material and are attached to the anchor plate with nut and bolt, welding, or other method approved by the architect.

Bobrick anchor plates (or extension plates) are attached directly to the steel studs with bolt and nut, welding, or other method approved by architect. Attaching anchor plate with sheet metal screws is not recommended.

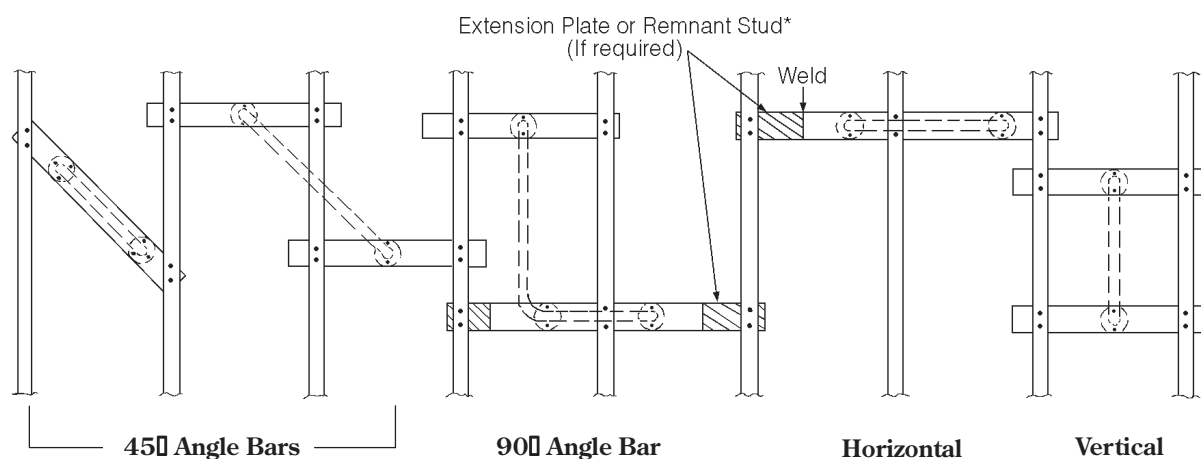
When plaster or other masonry wall finishes are specified, the anchor plate(s) may be attached to the face of the stud(s). When dry wall or other rigid wall material is specified, the anchor plate(s) should be set into the studs so as not to interfere with application of wall material (see Figure 1 on page 1).

**IMPORTANT NOTE: Anchor plate(s) must be properly attached in order to support maximum load of grab bar.**

**INSTALLATION EXAMPLES**

\*Not Furnished by Bobrick

Figure 3



After anchor plate(s) has been installed, remove the grab bar and immediately replace the mounting screws in the correct anchor plate holes. This marks correct location for reinstallation of the grab bar after wall finish has been completed.

**SPECIFICATION GUIDE:**

Concealed anchor plate for stud wall construction shall be 3-inch (75mm) wide, 12-gauge (.105) galvanized steel with 1/4"-20 threaded, extruded holes to give .200-inch (5.1mm) minimum length of usable thread per hole; and shall be furnished with the required number of 1/4"-20 x 2" stainless steel machine screws for attaching grab bar.

Concealed Anchor Plate shall be \_\_\_\_\_ (insert appropriate model number) of Bobrick Washroom Equipment, Inc., Clifton Part, New York; Jackson, Tennessee; Los Angeles, California; and Bobrick Washroom Equipment Company, Scarborough, Ontario.

Distribution: "R", "Q", "C", "S"