

General Description: Concrete Barrier is used on highways and side roads to prevent motor vehicles from going over banks. The most common Roadside Barrier is 690 mm high (27 inches). In addition to 690 mm Barrier, we manufacture Barrier that's placed in the middle of traffic lanes known as "Median Barrier". The Barrier on the ends of bridges is known as "Bridge Parapet Barrier". Both Median Barrier and Bridge Parapet Barrier are 810 mm high (32 inches).
Configuration: You may purchase Concrete Barrier in individual pieces (e.g., for use in a parking lot or to block off fuel tanks, etc.) or as commonly seen as a "string" with the various pieces joined together using "hooks" (also known as male pieces) and "eyes" (also known as female pieces). Strings of Barrier usually taper at each end to achieve a gradual transition from the highest point of the Barrier to the ground. To achieve this gradual tapered look, customers will purchase a "Transition" piece along with a "Bullnose" piece at each end of the string. Each piece of standard (690mm or 810mm) Barrier is 2.5 meters (8 feet) long. Bullnose pieces are half the length of a regular piece of Barrier: 1.2 meters (4 feet) long.

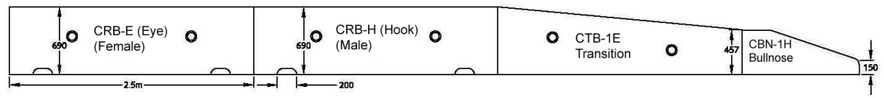


Figure 1.1: 690mm CRB Female (Eye), and Male (Hook) with Transition (CTB-1E) and Bullnose (CBN-1H) on end

General Rules for Configuring and Purchasing Barrier:

1. If joining together in a string you will usually need to purchase 2 Transition and 2 Bullnose pieces per string (one Transition and one Bullnose on each end of the string).
2. Start and end each string with a Male (Hook) – this means that there will usually always be an odd number of regular pieces in each string (one more male piece than female)
3. If you have a length measurement for the string, then divide the length by 2.5 (meters) or 8 (feet) to determine how many pieces are required for the string. Subtract 1 piece for the 2 Bullnose pieces (2 Bullnose = same length as 1), and 2 pieces for the Transition to come up with a total of regular pieces. Example: You require a string that is 50 meters in length. Divide 50 by 2.5 = 20 pieces required. Subtract 1 piece for the Bullnose = 19 pieces; subtract 2 pieces for the Transition = 17 pieces. You can now tell our office personnel you require 17 pieces of regular CRB (9 male and 8 female), 2 – Transition pieces, and 2 Bullnose pieces.
4. If you are not joining the pieces in a string, you will likely want to purchase Barrier with "Eyes" (Female) as the "Hooks" (Male) pieces have a hook protruding from each end that could become a safety concern.
5. If you are joining on to an existing string or replacing broken pieces, measure the pieces and provide pictures if possible to ensure we supply Barriers that are compatible with your existing string.
6. If you are joining a Median Barrier or Bridge Parapet (810 mm) string to a 690 mm string, you will require a Transition piece known as a "CTB-2".

Once you have all of your requirements, contact our office for supply and delivery/installation pricing.

Tri-Kon Precast Products Ltd.
601 Patterson Street West
Cranbrook BC V1C 6T3
250-426-8162
info@trikonprecast.com
trikonprecast.com

PRODUCT
Concrete Barrier
DRAWING
Barrier Buying Guide

WEIGHT

DRAWING NO.

DATE
As per drawing

SHEET
01 of 25

UNITS / SCALE
As per drawing

Request A Quote