



Tandem™ Modular Block - *Segmental Retaining Wall* Calculation Guide

The Tandem Modular Block wall system provides the appearance of natural stone that will complement any hardscape. This innovative and versatile system is a complete hardscape platform that can be used to create attractive, curved or straight freestanding, retaining walls and columns. Great for use in a wide range of residential and light commercial hardscape applications.

- Lightweight and easy to use
- 3 different sizes
- Available as column assembly



Calculation Guide - Tandem™ Modular Block Segmental Retaining Wall System

1

Step 1 - Determine Square Feet (SqFt) of wall face (Length x Height of wall)

SqFt of wall face:

Includes buried base course



2

Step 2 - Ft2 x 2.6 = # of modular Blocks

Tip - 2.6 modular blocks/Ft²

Modular Blocks required:



3

Step 4 - Determine how many connectors you require.

Multiply SqFt of Wall Face (Step 1) by 2.6

Connectors required:



4

Step 5 - Determine Linear Feet (LnFt) of wall. To calculate how many Tandem Caps you require, divide total LnFt of wall by 2.

Tip - each cap is 24" (2') in length.

Total LnFt (linear feet):

Tandem Caps required:



5

Step 6 - Divide the LnFt of wall by 1.39

Tip- each block covers 16'1/16" (1.39') LnFt.

U Start Blocks required:

Totals Pallets + Layers

U Start Block EA:

Modular Block EA:

Tandem Face Block SF:

Tandem Caps EA:

Sample Calculations

Sample Tandem Modular Block Wall Calculation

Step 1 - SqFt of Wall Face: 60 SqFt

Step 2 - 60 SqFt of Wall

Face x 2.6

156 Modular Blocks

Step 3 - Connectors 60 x 2.6:

156 Connectors (4.2 / 5 bags)

Step 4 - Caps (20 LnFt) ÷ 2:

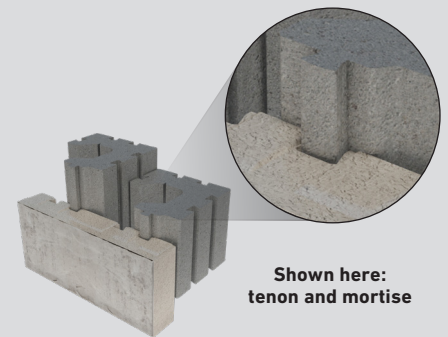
10 Tandem Caps

Step 5 - U Start (20 LnFt) ÷ 1.39:

15 U Start Blocks



Tandem Modular Block System



Shown here:
tenon and mortise



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