



## Tandem™ Modular Block - *Freestanding 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 Freestanding 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 -  Ft<sup>2</sup> x 2.6 = # of modular Blocks  
 Tip - 2.6 modular blocks/FT<sup>2</sup>

Modular Blocks required:



**3** Step 3 - Multiply wall face SqFt by 2 to account for face and back of wall for total SqFt coverage.

Ft<sup>2</sup> x 2 = # of total Ft<sup>2</sup> for FSW

Total SqFt (face & back):



**4** Step 4 - Determine how many connectors you require.  
 Multiply SqFt of Wall Face (Step 1) by 2.6

Connectors required:



**5** 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:



**6** Step 6 - Divide the LnFt of wall by 1.39  
 Tip - each block covers 16 1/16" (1.39') LnFt.

U Start Blocks required:

## 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:	120 SqFt
Step 4 - Connectors 60 x 2.6:	156 Connectors (4.2 / 5 bags)
Step 5 - Caps (20 LnFt) ÷ 2:	10 Tandem Caps
Step 6 - U Start (20 LnFt) ÷ 1.39:	15 U Start Blocks



Tandem Modular Block System



Shown here:  
tenon and mortise



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