



**BELGARD**  
PAVES THE WAY

# Tandem<sup>®</sup> Calculation Guide

The Tandem<sup>®</sup> 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 and retaining walls. Great for use in a wide range of residential and light commercial hardscape applications.

- Lightweight and easy to use
- 3 different sizes
- Available with column and modular wall kits



# Calculation Guide - Tandem® Wall System

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



**2** Step 2 - Multiply wall face SqFt by 2 to account for face and back of wall for total SqFt coverage.  
 Total SqFt (face & back):



**3** Step 3 - Determine how many connectors you require. Remember 2.6 connectors per SqFt of wall face and 11.53 SqFt of wall face per bag of connectors (30/bag).  
 Multiply SqFt of Wall Face (Step 1) by 2.6  
 Connectors required:



**4** Step 4 - 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:



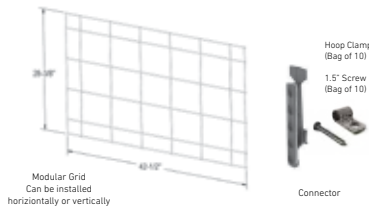
**5** Step 5 - Divide the LnFt of wall by 1.53  
 Tip - each block is 18 7/16" (1.53') in length.  
 U Start Blocks required:

# Calculation Guide - Tandem® Grid System

**1** Step 1 - Determine SqFt of project  
 SqFt of project:

**2** Step 2 - Divide SqFt of project by 8.37 (SqFt coverage of each grid) to determine number of Grid Kits required.  
 Grid Kits Required:

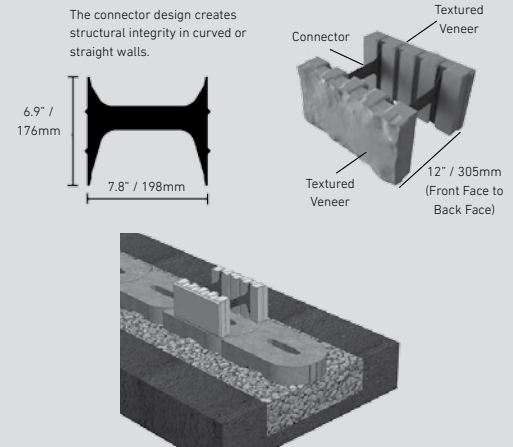
Tandem® Modular Grid Kit Includes:  
 1 Grid + 1 Bag of Connectors + Screws & Clamps



# Sample Calculations

## Sample Tandem® Wall Calculation

- Step 1 - SqFt of Wall Face: 60 SqFt
- Step 2 - Total SqFt of Tandem: 120 SqFt
- Step 3 - Connectors 2.6 x 60: 156 Conn. (5.20 / 6 Bags)
- Step 4 - Caps (20 LnFt) ÷ 2: 10 Tandem Caps
- Step 5 - U Start (20 LnFt) ÷ 1.53: 14 U Start Blocks



## Sample Tandem Modular Grid Calculation

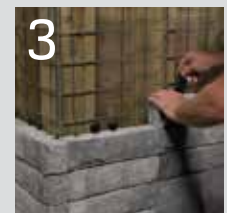
- Step 1 - SqFt of Project: 30 SqFt
- Step 2 - Grid Kits 30 ÷ 8.37 : 3.58 (4 Grid Kits)



Build your wooden frame



Attach your Modular Grid



Attach Tandem Veneer with Connector



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