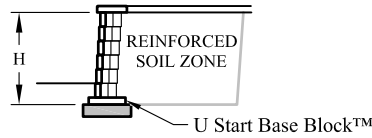


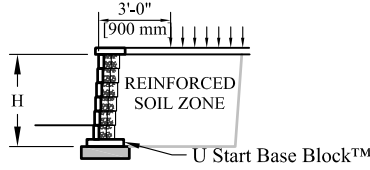


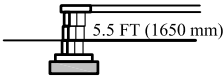
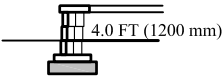
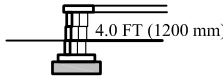
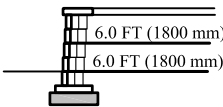
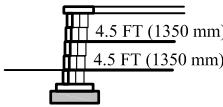
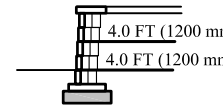
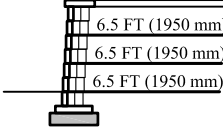
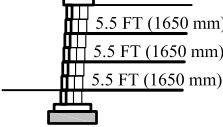
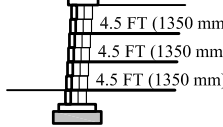
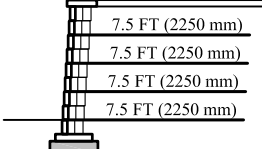
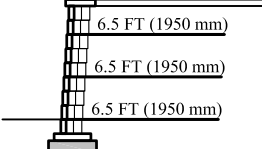
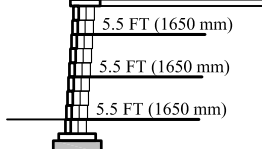
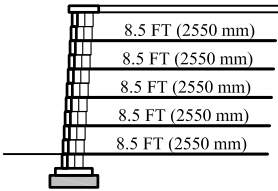
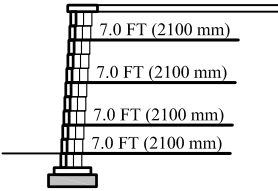
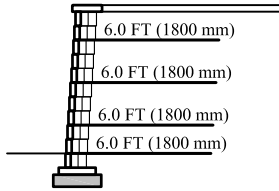
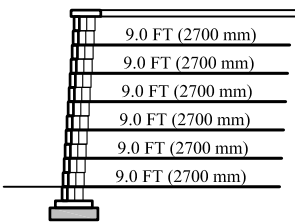
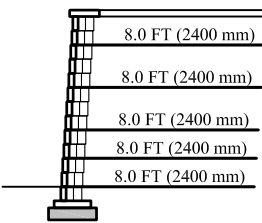
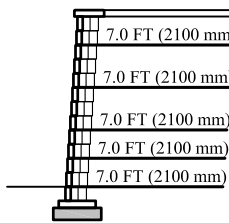
Estimating Chart for Geosynthetic Reinforcement with Tandem™ Modular Retaining Wall Systems No Slopes and No Surcharges



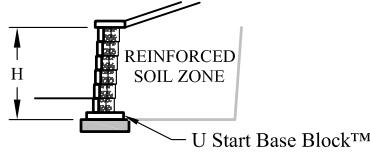
	Clay and Silt Soils $\phi = 26^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	Silty / Clayey Sand Soil $\phi = 30^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	Clean Sand and Gravel Soil $\phi = 34^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$
3'-3" (970 mm) 1 U Start Base Block™ + 5 Courses Tandem™			
4'-5" (1330 mm) 1 U Start Base Block™ + 7 Courses Tandem™			
5'-7" (1680 mm) 1 U Start Base Block™ + 9 Courses Tandem™			
6'-10" (2040 mm) 1 U Start Base Block™ + 11 Courses Tandem™			
8'-0" (2390 mm) 1 U Start Base Block™ + 13 Courses Tandem™			

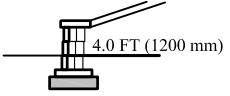
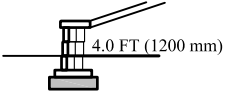
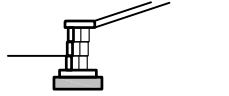
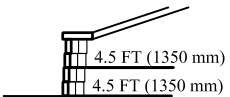
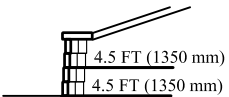
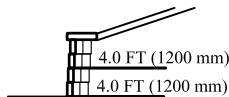
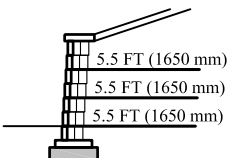
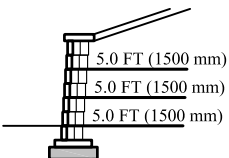
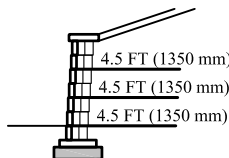
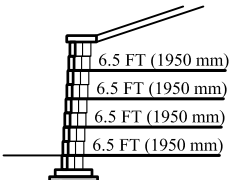
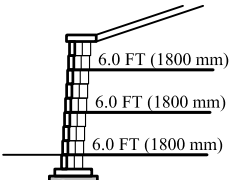
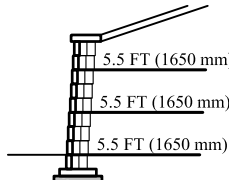
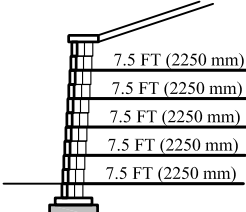
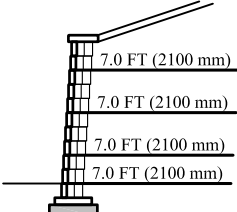
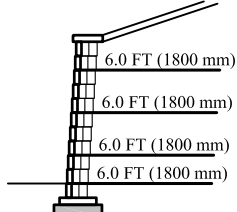
Estimating Chart for Geosynthetic Reinforcement with Tandem™ Modular Retaining Wall Systems 250 PSF Surcharge



	Clay and Silt Soils $\phi = 26^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	Silty / Clayey Sand Soil $\phi = 30^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$	Clean Sand and Gravel Soil $\phi = 34^\circ$ $\gamma = 120 \text{ pcf (19 kN/m}^3\text{)}$
2'-1" (620 mm) 1 U Start Base Block™ + 3 Courses Tandem™	 5.5 FT (1650 mm)	 4.0 FT (1200 mm)	 4.0 FT (1200 mm)
3'-3" (970 mm) 1 U Start Base Block™ + 5 Courses Tandem™	 6.0 FT (1800 mm) 6.0 FT (1800 mm)	 4.5 FT (1350 mm) 4.5 FT (1350 mm)	 4.0 FT (1200 mm) 4.0 FT (1200 mm)
4'-5" (1330 mm) 1 U Start Base Block™ + 7 Courses Tandem™	 6.5 FT (1950 mm) 6.5 FT (1950 mm) 6.5 FT (1950 mm)	 5.5 FT (1650 mm) 5.5 FT (1650 mm) 5.5 FT (1650 mm)	 4.5 FT (1350 mm) 4.5 FT (1350 mm) 4.5 FT (1350 mm)
5'-7" (1680 mm) 1 U Start Base Block™ + 9 Courses Tandem™	 7.5 FT (2250 mm) 7.5 FT (2250 mm) 7.5 FT (2250 mm) 7.5 FT (2250 mm)	 6.5 FT (1950 mm) 6.5 FT (1950 mm) 6.5 FT (1950 mm)	 5.5 FT (1650 mm) 5.5 FT (1650 mm) 5.5 FT (1650 mm)
6'-10" (2040 mm) 1 U Start Base Block™ + 11 Courses Tandem™	 8.5 FT (2550 mm) 8.5 FT (2550 mm) 8.5 FT (2550 mm) 8.5 FT (2550 mm) 8.5 FT (2550 mm)	 7.0 FT (2100 mm) 7.0 FT (2100 mm) 7.0 FT (2100 mm) 7.0 FT (2100 mm)	 6.0 FT (1800 mm) 6.0 FT (1800 mm) 6.0 FT (1800 mm) 6.0 FT (1800 mm)
8'-0" (2390 mm) 1 U Start Base Block™ + 13 Courses Tandem™	 9.0 FT (2700 mm) 9.0 FT (2700 mm) 9.0 FT (2700 mm) 9.0 FT (2700 mm) 9.0 FT (2700 mm) 9.0 FT (2700 mm)	 8.0 FT (2400 mm) 8.0 FT (2400 mm) 8.0 FT (2400 mm) 8.0 FT (2400 mm) 8.0 FT (2400 mm)	 7.0 FT (2100 mm) 7.0 FT (2100 mm) 7.0 FT (2100 mm) 7.0 FT (2100 mm) 7.0 FT (2100 mm)

Estimating Chart for Geosynthetic Reinforcement with Tandem™ Modular Retaining Wall Systems 3:1 Crest Slope



	Clay and Silt Soils $\phi = 26^\circ$ $\gamma = 120 \text{ pcf } (19 \text{ kN/m}^3)$	Silty / Clayey Sand Soil $\phi = 30^\circ$ $\gamma = 120 \text{ pcf } (19 \text{ kN/m}^3)$	Clean Sand and Gravel Soil $\phi = 34^\circ$ $\gamma = 120 \text{ pcf } (19 \text{ kN/m}^3)$
2'-1" (620 mm) 1 U Start Base Block™ + 3 Courses Tandem™			
3'-3" (970 mm) 1 U Start Base Block™ + 5 Courses Tandem™			
4'-5" (1330 mm) 1 U Start Base Block™ + 7 Courses Tandem™			
5'-7" (1680 mm) 1 U Start Base Block™ + 9 Courses Tandem™			
6'-10" (2040 mm) 1 U Start Base Block™ + 11 Courses Tandem™			
8'-0" (2390 mm) 1 U Start Base Block™ + 13 Courses Tandem™	