

## GEOGRID SPECIFICATIONS AND CONNECTION TESTING RESULTS FOR:

<b>AB Full-Size Units</b>							
Geogrid Type	Long Term Allowable Design Strength, LTDS, lb/ft (kN/m)			Reduction Factor Creep, RFcr	Peak Connection Strength Equations, P, lb/ft (kN/m)		Normal Load Intercept lb/ft (kN/m)
	Sand-Silt-Clay	Sand-Gravel	Gravel		Segment 1	Segment 2	
<b>Strata Systems, 380 Dahlonega Road, Cummings, GA 30040 800-680-7750</b>							
Strata SGU 60	2343 (34.4)	2062 (30.1)	1909 (27.8)	1.45	$T_{u1} = 1165 \text{ lb/ft} + N \tan(20.0^\circ)$ ( $T_{u1} = 17.0 \text{ kN/m} + N \tan(20.0^\circ)$ )	-	-
Strata SGU 80	3125 (45.6)	2750 (40.1)	2546 (37.2)	1.45	$T_{u1} = 1235 \text{ lb/ft} + N \tan(24.0^\circ)$ ( $T_{u1} = 18.02 \text{ kN/m} + N \tan(24.0^\circ)$ )	-	-
Strata SGU 120	4686 (68.4)	4686 (68.4)	4482 (65.4)	1.45	$T_{u1} = 1340 \text{ lb/ft} + N \tan(33.0^\circ)$ ( $T_{u1} = 19.56 \text{ kN/m} + N \tan(33.0^\circ)$ )	-	-
<b>Tencate Nicolon, 365 South Holland Drive, Pendergrass, GA 30567 888-795-0808</b>							
Miragrid 2XT	1142 (16.60)	1090 (15.90)	960 (14.0)	1.45	$T_{u1} = 125.60 \text{ lb/ft} + N \tan(58.48^\circ)$ ( $T_{u1} = 1.80 \text{ kN/m} + N \tan(58.48^\circ)$ )	$T_{u2} = 1623.5 \text{ lb/ft}$ ( $T_{u2} = 23.65 \text{ kN/m}$ )	918.6 (13.40)
Miragrid 3XT	1999 (29.10)	1908 (27.70)	1676 (24.40)	1.45	$T_{u1} = 1193 \text{ lb/ft} + N \tan(29^\circ)$ ( $T_{u1} = 17.40 \text{ kN/m} + N \tan(29^\circ)$ )	-	-
Miragrid 5XT	2684 (39.0)	2562 (37.30)	2255 (32.80)	1.45	$T_{u1} = 1287 \text{ lb/ft} + N \tan(29^\circ)$ ( $T_{u1} = 14.30 \text{ kN/m} + N \tan(29^\circ)$ )	-	-
Miragrid 7XT	3370 (49.10)	3217 (46.90)	2831 (41.20)	1.45	$T_{u1} = 1065.4 \text{ lb/ft} + N \tan(25.62^\circ)$ ( $T_{u1} = 15.52 \text{ kN/m} + N \tan(25.62^\circ)$ )	-	-
Miragrid 8XT	4226 (61.60)	4034 (58.80)	3550 (51.70)	1.45	$T_{u1} = 1063 \text{ lb/ft} + N \tan(40^\circ)$ ( $T_{u1} = 15.51 \text{ kN/m} + N \tan(40^\circ)$ )	$T_{u2} = 2872 \text{ lb/ft}$ ( $T_{u2} = 41.9 \text{ kN/m}$ )	2155.9 (31.45)
Miragrid 10XT	5426 (79.0)	5179 (75.40)	4558 (66.40)	1.45	$T_{u1} = 513 \text{ lb/ft} + N \tan(52^\circ)$ ( $T_{u1} = 7.48 \text{ kN/m} + N \tan(52^\circ)$ )	$T_{u2} = 1426 \text{ lb/ft} + N \tan(23^\circ)$ ( $T_{u2} = 20.81 \text{ kN/m} + N \tan(23^\circ)$ )	1067.3 (15.57)
<b>Huesker - 11107 - A South Commerce Blvd, Charlotte, NC 28273 800-942-9418</b>							
Fortrac 35T	1197 (17.4)	1175 (17.0)	1097 (15.9)	1.522	$T_{u1} = 911 \text{ lb/ft} + N \tan(6.8^\circ)$ ( $T_{u1} = 13.3 \text{ kN/m} + N \tan(6.8^\circ)$ )	-	-
Fortrac 55T	1898 (27.6)	1864 (27.1)	1815 (26.3)	1.522	$T_{u1} = 1070.3 \text{ lb/ft} + N \tan(15.1^\circ)$ ( $T_{u1} = 15.62 \text{ kN/m} + N \tan(15.1^\circ)$ )	-	-
Fortrac 80T	2979 (43.3)	2950 (42.8)	2813 (40.9)	1.522	$T_{u1} = 1250.7 \text{ lb/ft} + N \tan(18.3^\circ)$ ( $T_{u1} = 18.25 \text{ kN/m} + N \tan(18.3^\circ)$ )	-	-

<b>AB Fieldstone Units</b>							
Geogrid Type	Long Term Allowable Design Strength, LTDS, lb/ft (kN/m)			Reduction Factor Creep, RFcr	Peak Connection Strength Equations, P, lb/ft (kN/m)		Normal Load Intercept lb/ft (kN/m)
	Sand-Silt-Clay	Sand-Gravel	Gravel		Segment 1	Segment 2	
<b>Strata Systems, 380 Dahlonega Road, Cummings, GA 30040 800-680-7750</b>							
Strata SGU 60	2343 (34.4)	2062 (30.1)	1909 (27.8)	1.45	$T_{u1} = 1165 \text{ lb/ft} + N \tan(20.0^\circ)$ ( $T_{u1} = 17.0 \text{ kN/m} + N \tan(20.0^\circ)$ )	-	-
Strata SGU 80	3125 (45.6)	2750 (40.1)	2546 (37.2)	1.45	$T_{u1} = 1235 \text{ lb/ft} + N \tan(24.0^\circ)$ ( $T_{u1} = 18.02 \text{ kN/m} + N \tan(24.0^\circ)$ )	-	-
Strata SGU 120	4686 (68.4)	4686 (68.4)	4482 (65.4)	1.45	$T_{u1} = 1340 \text{ lb/ft} + N \tan(33.0^\circ)$ ( $T_{u1} = 19.56 \text{ kN/m} + N \tan(33.0^\circ)$ )	-	-
<b>Tencate Nicolon, 365 South Holland Drive, Pendergrass, GA 30567 888-795-0808</b>							
Miragrid 2XT	1142 (16.6)	1090 (15.8)	960 (13.9)	1.45	$T_{u1} = 125.5 \text{ lb/ft} + N \tan(58.5^\circ)$ ( $T_{u1} = 1.8 \text{ kN/m} + N \tan(58.5^\circ)$ )	$T_{u2} = 1623.5 \text{ lb/ft}$ ( $T_{u2} = 23.65 \text{ kN/m}$ )	918.0 (13.3)
Miragrid 3XT	1999 (29.0)	1908 (27.7)	1676 (24.4)	1.45	$T_{u1} = 1193 \text{ lb/ft} + N \tan(29^\circ)$ ( $T_{u1} = 17.4 \text{ kN/m} + N \tan(29^\circ)$ )	-	-
Miragrid 5XT	2684 (39.0)	2562 (37.2)	2255 (32.7)	1.45	$T_{u1} = 1287 \text{ lb/ft} + N \tan(29^\circ)$ ( $T_{u1} = 18.7 \text{ kN/m} + N \tan(29^\circ)$ )	-	-

The information in this chart has been taken from published literature and is believed to be accurate. Consult the Allan Block Engineering Department for details at 800-899-5309.

**Table B-1 Pullout Resistance Equations**

# ALLAN BLOCK GEOGRID DESIGN PARAMETERS

ALLAN BLOCK TYPE: AB Stones, AB Classic, AB Vertical, AB Dover  
 GEOGRID TYPE: Stratagrid SGU 60  
 TESTING METHOD: ASTM D 6638  
 TESTING FACILITY: NCMA  
 TEST DATE: October 8th, 2019

ALLAN BLOCK CORPORATION  
 Ph. 952-835-5309  
 Fax. 952-835-0013  
 allanblock.com



## CONNECTION STRENGTH TEST DATA

Test Number	Normal Load, lb/ft	Ultimate Connection, lb/ft
1	600	1326
2	1200	1663
3	1800	1769
4	1800	1855
5	1800	1927
6	2400	2096
7	3000	2226

## DESIGN EQUATIONS

Ultimate Connection Strength

$$T_u = 1165 \text{ lb/ft} + N \tan(20^\circ)$$

$$(T_u = 17.00 \text{ kN/m} + N \tan(20^\circ))$$

## GEOGRID STRENGTH PARAMETERS

Long Term Allowable Design Strength

Sand-Silt-Clay: 2343 lb/ft (34.2 kN/m)

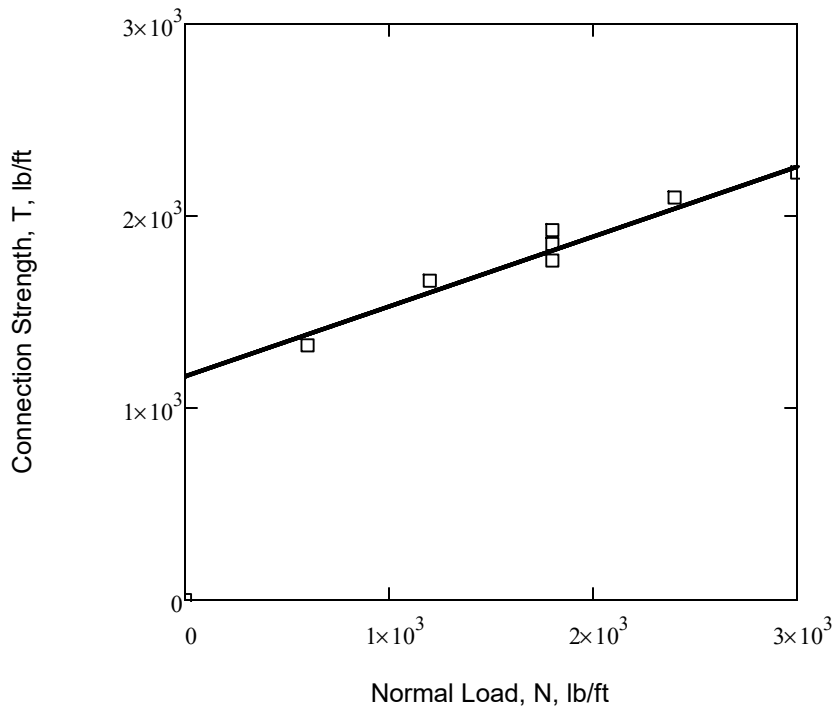
Sand-Gravel: 2062 lb/ft (30.1 kN/m)

Gravel: 1909 lb/ft (27.86 kN/m)

Reduction Factor Creep  $RF_{cr} = 1.45$



## ALLAN BLOCK & STRATAGRID SGU 60 CONNECTION STRENGTH



Updated - January 5, 2022

# ALLAN BLOCK GEOGRID DESIGN PARAMETERS

ALLAN BLOCK TYPE: AB Stones, AB Classic, AB Vertical, AB Dover  
 GEOGRID TYPE: Stratagrid SGU 80  
 TESTING METHOD: ASTM D 6638  
 TESTING FACILITY: NCMA  
 TEST DATE: October 8th, 2019

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## CONNECTION STRENGTH TEST DATA

Test Number	Normal Load, lb/ft	Ultimate Connection, lb/ft
1	600	1408
2	1320	1850
3	2100	2344
4	2100	2161
5	2100	2250
6	2760	2495
7	3600	2779

## DESIGN EQUATIONS

Ultimate Connection Strength

$$T_u = 1235 \text{ lb/ft} + N \tan (24^\circ)$$

$$(T_u = 18.02 \text{ kN/m} + N \tan (24^\circ))$$

## GEOGRID STRENGTH PARAMETERS

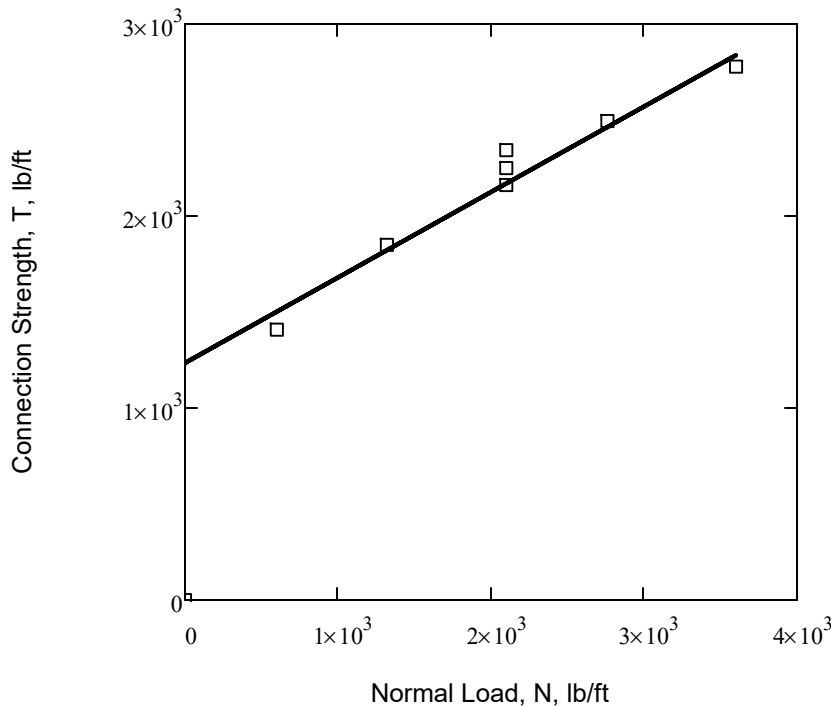
Long Term Allowable Design Strength

Sand-Silt-Clay: 3125 lb/ft (45.6 kN/m)  
 Sand-Gravel: 2750 lb/ft (40.1 kN/m)  
 Gravel: 2546 lb/ft (37.2 kN/m)

Reduction Factor Creep  $RF_{cr} = 1.45$



## ALLAN BLOCK & STRATAGRID SGU 80 CONNECTION STRENGTH



Updated - January 5, 2022

# ALLAN BLOCK GEOGRID DESIGN PARAMETERS

ALLAN BLOCK TYPE: AB Stones, AB Classic, AB Vertical, AB Dover  
 GEOGRID TYPE: Stratagrid SGU 120  
 TESTING METHOD: ASTM D 6638  
 TESTING FACILITY: NCMA  
 TEST DATE: October 8th, 2019

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 Fax. 952-835-0013  
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## CONNECTION STRENGTH TEST DATA

Test Number	Normal Load, lb/ft	Ultimate Connection, lb/ft
1	600	1608
2	1500	2364
3	2400	2952
4	2400	2860
5	2400	3010
6	3300	3465
7	4200	3966

## DESIGN EQUATIONS

Ultimate Connection Strength

$$T_u = 1340 \text{ lb/ft} + N \tan(33^\circ)$$

$$(T_u = 19.56 \text{ kN/m} + N \tan(33^\circ))$$

## GEOGRID STRENGTH PARAMETERS

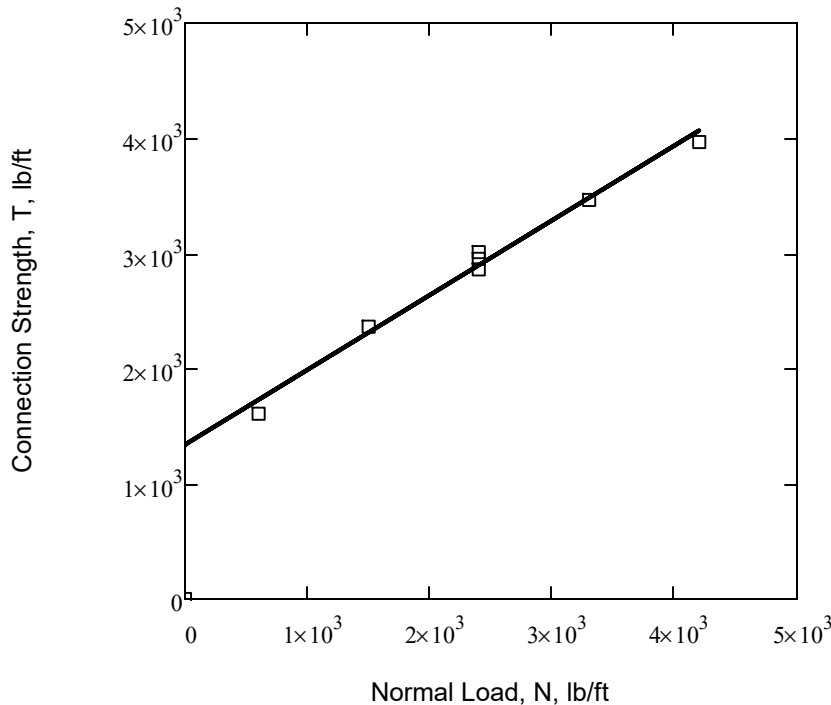
Long Term Allowable Design Strength

Sand-Silt-Clay: 4686 lb/ft (68.4 kN/m)  
 Sand-Gravel: 4686 lb/ft (68.4 kN/m)  
 Gravel: 4482 lb/ft (65.4 kN/m)

Reduction Factor Creep  $RF_{cr} = 1.45$



## ALLAN BLOCK & STRATAGRID SGU 120 CONNECTION STRENGTH



Updated - Dec 20, 2021

# ALLAN BLOCK GEOGRID DESIGN PARAMETERS

ALLAN BLOCK TYPE: AB Stone, AB Classic, AB Three, AB Rocks  
 GEOGRID TYPE: Miragrid 2XT  
 TESTING METHOD: NCMA SRWU-1, ASTM D 6638  
 TESTING FACILITY: NCMA Testing Lab  
 TEST DATE: September 27, 2004

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## CONNECTION STRENGTH TEST DATA

Test Number	Normal Load, lb/ft	Ultimate Connection, lb/ft
1	105.5	299.4
2	427.6	818.1
3	914.8	1619.2
4	916.1	1639
5	916.8	1526.7
6	1369.1	1660.3

## DESIGN EQUATIONS

Ultimate Connection Strength

Segment 1:  $T_{u1} = 125.6 \text{ lb/ft} + N \tan(58.48^\circ)$   
 $(T_{u1} = 1.8 \text{ kN/m} + N \tan(58.48^\circ))$

Segment 2:  $T_{u2} = 1623.5 \text{ lb/ft} + N \tan(0^\circ)$   
 $(T_{u1} = 23.65 \text{ kN/m} + N \tan(0^\circ))$

## GEOGRID STRENGTH PARAMETERS

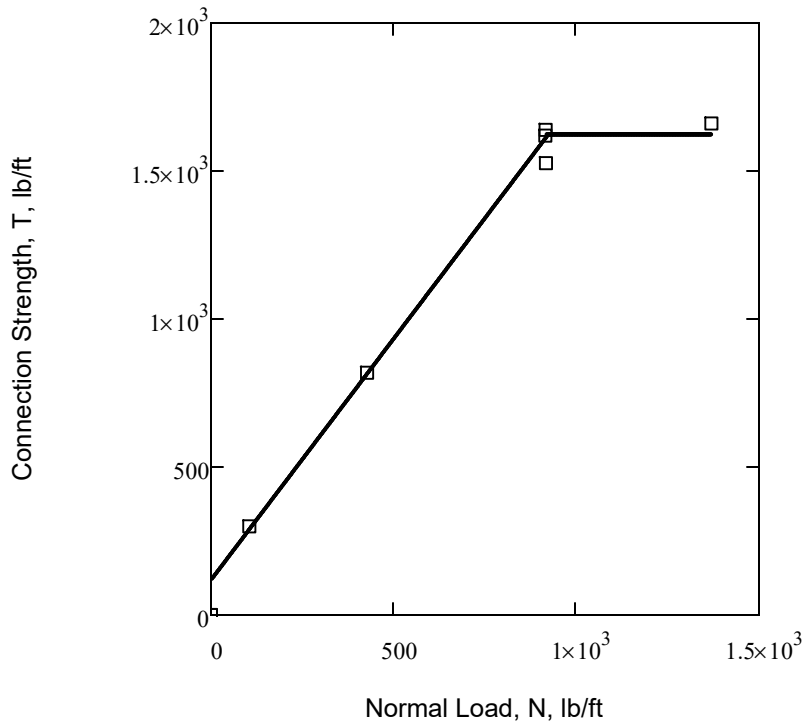
Long Term Allowable Design Strength

Sand-Silt-Clay: 1142 lb/ft (16.6 kN/m)  
 Sand-Gravel: 1090 lb/ft (15.8 kN/m)  
 Gravel: 960 lb/ft (13.9 kN/m)

Reduction Factor Creep  $RF_{cr} = 1.45$



## ALLAN BLOCK & MIRAGRID 2XT CONNECTION



Updated - January 5, 2022

# ALLAN BLOCK GEOGRID DESIGN PARAMETERS

ALLAN BLOCK TYPE: AB Classic  
 GEOGRID TYPE: Miragrid 3XT  
 TESTING METHOD: NCMA SRWU-1, ASTM D 6638  
 TESTING FACILITY: Bathurst Clarabut Geotechnical Testing  
 TEST DATE: April 13, 2010

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## CONNECTION STRENGTH TEST DATA

Test Number	Normal Load, lb/ft	Ultimate Connection, lb/ft
1	1112	1844
2	369	1252
3	2481	2463
4	1119	1830
5	1855	2229
6	747	1555
7	1112	2002
8	1484	2160

## DESIGN EQUATIONS

Ultimate Connection Strength

$$T_u = 1193 \text{ lb/ft} + N \tan(29^\circ)$$

$$(T_u = 17.4 \text{ kN/m} + N \tan(29^\circ))$$

## GEOGRID STRENGTH PARAMETERS

Long Term Allowable Design Strength

Sand-Silt-Clay: 1999 lb/ft (29.0 kN/m)

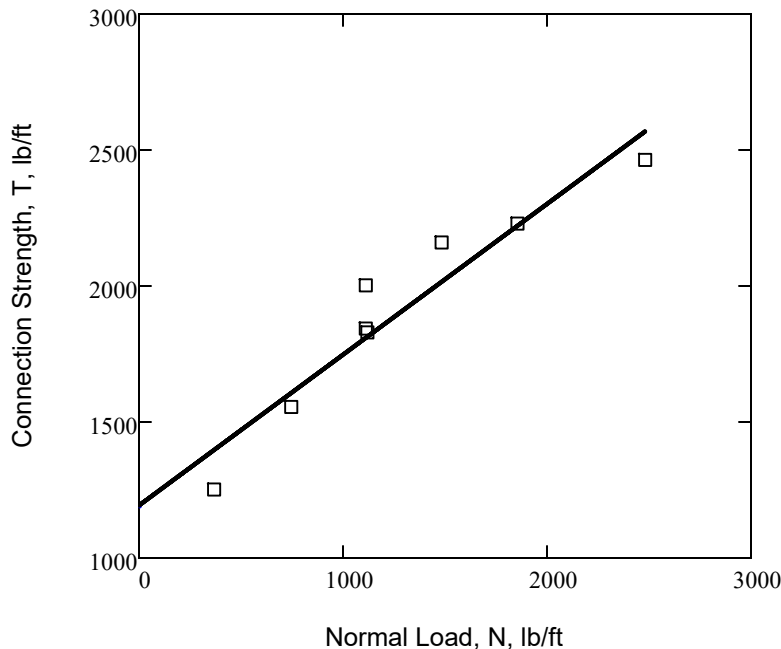
Sand-Gravel: 1908 lb/ft (27.7 kN/m)

Gravel: 1679 lb/ft (24.3 kN/m)

Reduction Factor Creep  $RF_{cr} = 1.45$



## ALLAN BLOCK CLASSIC & MIRAGRID 3XT CONNECTION



Updated - January 5, 2022

# ALLAN BLOCK GEOGRID DESIGN PARAMETERS

ALLAN BLOCK TYPE: AB Classic  
 GEOGRID TYPE: Miragrid 5XT  
 TESTING METHOD: NCMA SRWU-1, ASTM D 6638  
 TESTING FACILITY: Bathurst Clarabut Geotechnical Testing  
 TEST DATE: April 13, 2010

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 Fax. 952-835-0013  
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## CONNECTION STRENGTH TEST DATA

Test Number	Normal Load, lb/ft	Ultimate Connection, lb/ft
1	1862	2497
2	617	1472
3	1236	2009
4	1855	2319
5	2467	2642
6	3087	3103
7	1855	2394
8	3713	3227

## DESIGN EQUATIONS

Ultimate Connection Strength

$$T_u = 1287 \text{ lb/ft} + N \tan(29^\circ)$$

$$(T_u = 18.7 \text{ kN/m} + N \tan(29^\circ))$$

## GEOGRID STRENGTH PARAMETERS

Long Term Allowable Design Strength

Sand-Silt-Clay: 2684 lb/ft (39.0 kN/m)

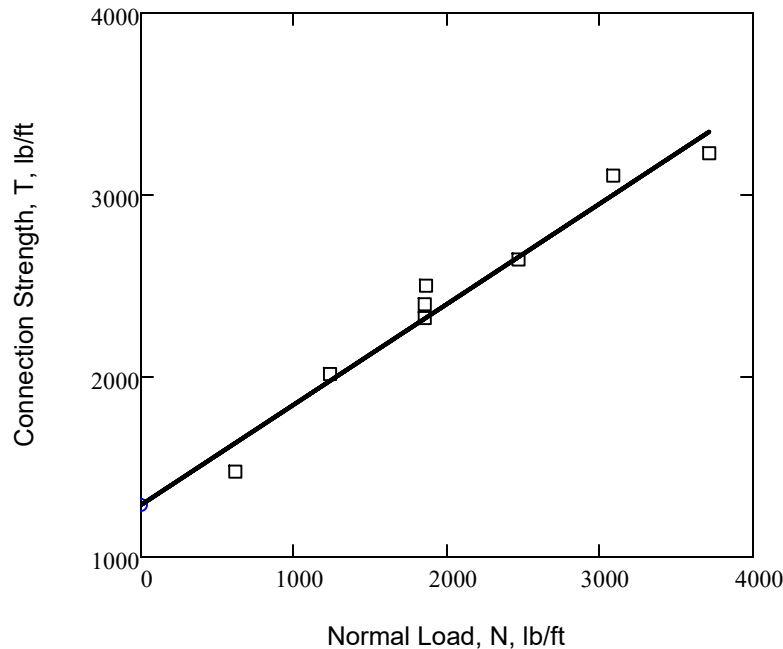
Sand-Gravel: 2562 lb/ft (37.2 kN/m)

Gravel: 2255 lb/ft (32.7 kN/m)

Reduction Factor Creep  $RF_{cr} = 1.45$



## ALLAN BLOCK CLASSIC & MIRAGRID 5XT CONNECTION



Updated - January 5, 2022

# ALLAN BLOCK GEOGRID DESIGN PARAMETERS

ALLAN BLOCK TYPE: AB Stone, AB Classic, AB Three, AB Rocks  
 GEOGRID TYPE: Miragrid 7XT  
 TESTING METHOD: NCMA SRWU-1, ASTM D 6638  
 TESTING FACILITY: NCMA Testing Lab  
 TEST DATE: June 25, 2003

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## CONNECTION STRENGTH TEST DATA

Test Number	Normal Load, lb/ft	Ultimate Connection, lb/ft
1	499.8	1220.6
2	1235.7	1841.8
3	2099.3	1904.3
4	2099.3	2048.5
5	2099.3	2125.4
6	3080.9	2570.2

## DESIGN EQUATIONS

Ultimate Connection Strength

$$T_u = 1065.4 \text{ lb/ft} + N \tan(25.62^\circ)$$

$$(T_{u2} = 15.52 \text{ kN/m} + N \tan(25.62^\circ))$$

## GEOGRID STRENGTH PARAMETERS

Long Term Allowable Design Strength

Sand-Silt-Clay: 3370 lb/ft (49.0 kN/m)

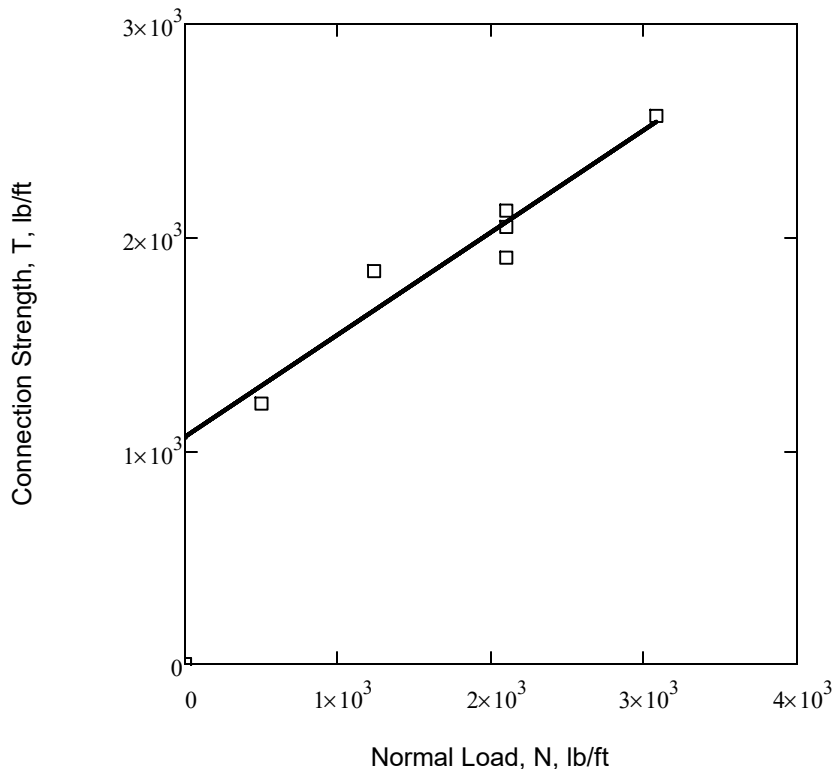
Sand-Gravel: 3217 lb/ft (46.7 kN/m)

Gravel: 2831 lb/ft (41.1 kN/m)

Reduction Factor Creep  $RF_{cr} = 1.45$



## ALLAN BLOCK & MIRAGRID 7XT CONNECTION



Updated - January 5, 2022



# ALLAN BLOCK GEOGRID DESIGN PARAMETERS

ALLAN BLOCK TYPE: AB Stone, AB Classic, AB Three, AB Rocks  
 GEOGRID TYPE: Miragrid 8XT  
 TESTING FACILITY: Bathurst Clarabut Geotechnical Testing  
 TEST DATE: April 25, 2000

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## CONNECTION STRENGTH TEST DATA

Test Number	Normal Load, lb/ft	Ultimate Connection, lb/ft	Service Connection, lb/ft
1	358	1245	1165
2	709	1734	1622
3	1170	1975	1716
4	1713	2456	2096
5	1211	2153	1770
6	1156	2112	1668
7	2277	2924	2469
8	2910	2821	2451

## DESIGN EQUATIONS

Ultimate Connection Strength

Segment 1:  $T_{u1} = 1063 \text{ lb/ft} + N \tan(40^\circ)$   
 ( $T_{u1} = 15.51 \text{ kN/m} + N \tan(40^\circ)$ )

Segment 2:  $T_{u2} = 2872 \text{ lb/ft}$   
 ( $T_{u2} = 41.90 \text{ kN/m}$ )

## GEOGRID STRENGTH PARAMETERS

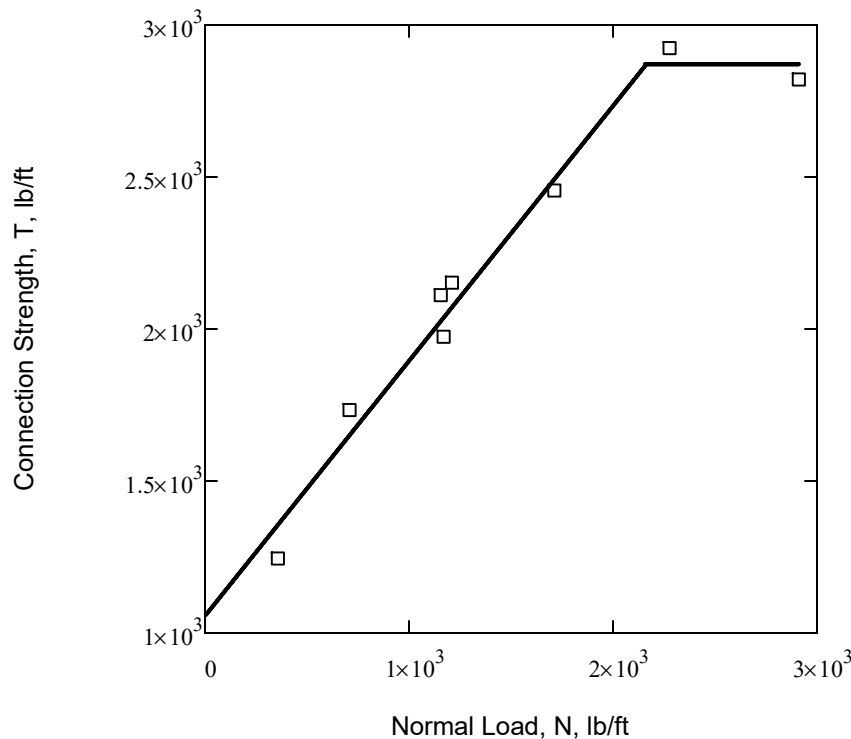
Long Term Allowable Design Strength

Sand-Silt-Clay: 4226 lb/ft (61.6 kN/m)  
 Sand-Gravel: 4034 lb/ft (58.8 kN/m)  
 Gravel: 3550 lb/ft (51.7 kN/m)

Reduction Factor Creep  $RF_{cr} = 1.45$



## ALLAN BLOCK & MIRAGRID 8XT CONNECTION



Updated - January 5, 2022

# ALLAN BLOCK GEOGRID DESIGN PARAMETERS

ALLAN BLOCK TYPE: AB Stone, AB Classic, AB Three, AB Rocks  
 GEOGRID TYPE: Miragrid 10XT  
 TESTING METHOD: ASTM D 6638  
 TESTING FACILITY: Bathurst Clarabut Geotechnical Testing  
 TEST DATE: April 25, 2000

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 Industrial Blvd.  
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 Edina, MN 55439  
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## CONNECTION STRENGTH TEST DATA

Test Number	Normal Load, lb/ft	Ultimate Connection, lb/ft
1	406	1032
2	716	1465
3	1163	2023
4	1720	2105
5	2291	2374
6	2869	2683
7	1734	2064
8	1851	2140

## DESIGN EQUATIONS

Ultimate Connection Strength

Segment 1:  $T_{u1} = 513 \text{ lb/ft} + N \tan(52^\circ)$   
 ( $T_{u1} = 7.48 \text{ kN/m} + N \tan(52^\circ)$ )

Segment 2:  $T_{u2} = 1426 \text{ lb/ft} + N \tan(23^\circ)$   
 ( $T_{u2} = 20.81 \text{ kN/m} + N \tan(23^\circ)$ )

## GEOGRID STRENGTH PARAMETERS

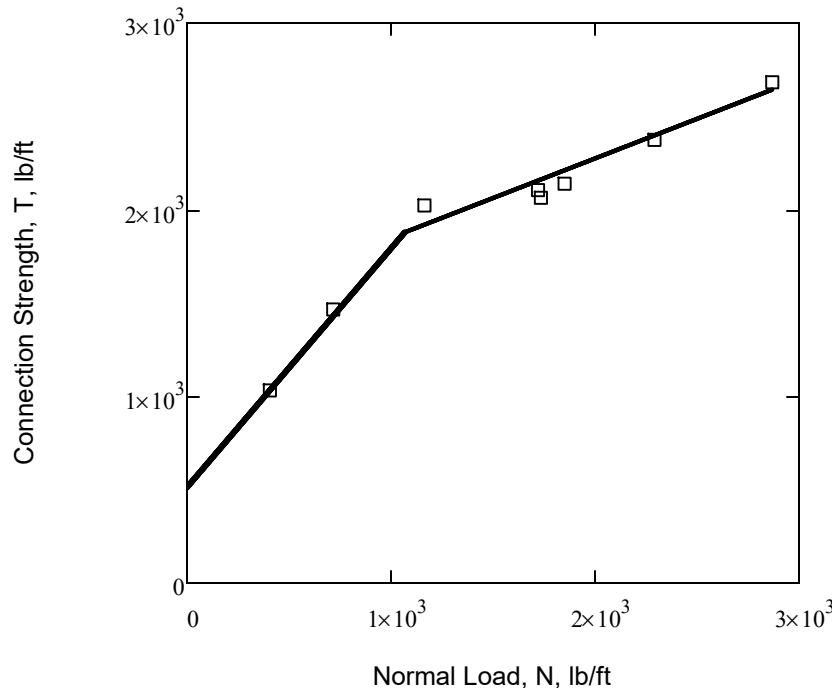
Long Term Allowable Design Strength

Sand-Silt-Clay: 5426 lb/ft (78.9 kN/m)  
 Sand-Gravel: 5179 lb/ft (75.3 kN/m)  
 Gravel: 4558 lb/ft (66.2 kN/m)

Reduction Factor Creep  $RF_{cr} = 1.45$



## ALLAN BLOCK & MIRAGRID 10XT CONNECTION



Updated - January 5, 2022

# ALLAN BLOCK GEOGRID DESIGN PARAMETERS

ALLAN BLOCK TYPE: AB Stones, AB Classic  
 GEOGRID TYPE: Huesker Fortrac 35T  
 TESTING METHOD: ASTM D 6638  
 TESTING FACILITY: National Concrete Masonry Association  
 TEST DATE: October 20, 2015

ALLAN BLOCK CORPORATION  
 Ph. 952-835-5309  
 Fax. 952-835-0013  
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## CONNECTION STRENGTH TEST DATA

Test Number	Normal Load, lb/ft	Ultimate Connection, lb/ft
1	613	870
2	2201	1320
3	1465	1163
4	2201	1160
5	3072	1260
6	2187	1133
7	3904	1303

## DESIGN EQUATIONS

Ultimate Connection Strength

$$T_u = 911 \text{ lb/ft} + N \tan (6.8^\circ)$$

$$(T_u = 13.30 \text{ kN/m} + N \tan (6.8^\circ))$$

## GEOGRID STRENGTH PARAMETERS

Long Term Allowable Design Strength

Sand-Silt-Clay: 1197 lb/ft (17.4 kN/m)

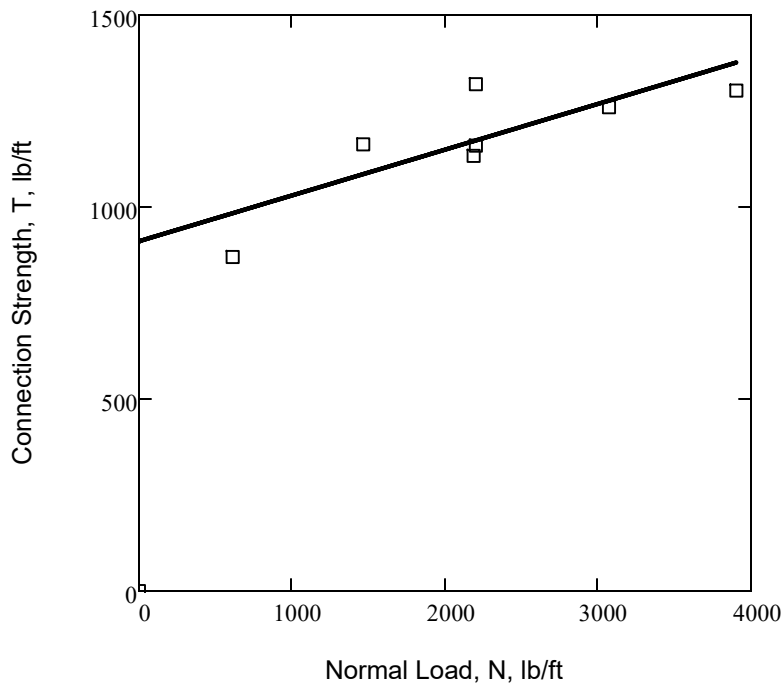
Sand-Gravel: 1175 lb/ft (17.0 kN/m)

Gravel: 1097 lb/ft (15.9 kN/m)

Reduction Factor Creep  $RF_{cr} = 1.522$



## ALLAN BLOCK STONES & FORTRAC 35/20-20T CONNECTION STRENGTH



Updated - January 5, 2022

# ALLAN BLOCK GEOGRID DESIGN PARAMETERS

ALLAN BLOCK TYPE: AB Stones  
 GEOGRID TYPE: Huesker Fortrac 55T  
 TESTING METHOD: ASTM D 6638  
 TESTING FACILITY: National Concrete Masonry Association  
 TEST DATE: October 20, 2015

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## CONNECTION STRENGTH TEST DATA

Test Number	Normal Load, lb/ft	Ultimate Connection, lb/ft
1	615	1030
2	2197	1717
3	1474	1563
4	2206	1820
5	3063	1867
6	2199	1723
7	3886	1977

## DESIGN EQUATIONS

Ultimate Connection Strength

$$T_u = 1070 \text{ lb/ft} + N \tan (15.1^\circ)$$

$$(T_u = 15.62 \text{ kN/m} + N \tan (15.1^\circ))$$

## GEOGRID STRENGTH PARAMETERS

Long Term Allowable Design Strength

Sand-Silt-Clay: 1898 lb/ft (27.6 kN/m)

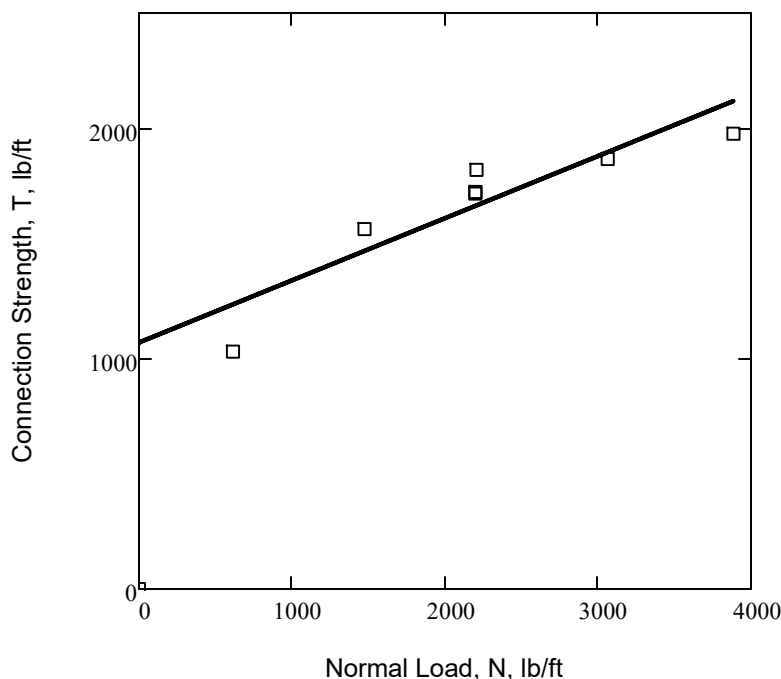
Sand-Gravel: 1864 lb/ft (27.1 kN/m)

Gravel: 1815 lb/ft (26.3 kN/m)

Reduction Factor Creep  $RF_{cr} = 1.522$



## ALLAN BLOCK STONES & FORTRAC 55/30-20T CONNECTION STRENGTH



Updated - January 5, 2022

# ALLAN BLOCK GEOGRID DESIGN PARAMETERS

ALLAN BLOCK TYPE: AB Stones, AB Classic  
 GEOGRID TYPE: Huesker Fortrac 80T  
 TESTING METHOD: ASTM D 6638  
 TESTING FACILITY: National Concrete Masonry Association  
 TEST DATE: October 20, 2015

ALLAN BLOCK CORPORATION  
 Ph. 952-835-5309  
 Fax. 952-835-0013  
 allanblock.com



## CONNECTION STRENGTH TEST DATA

Test Number	Normal Load, lb/ft	Ultimate Connection, lb/ft
1	617	1233
2	2190	1843
3	1474	1980
4	2210	2230
5	3074	2117
6	2203	2033
7	3927	2527

## DESIGN EQUATIONS

Ultimate Connection Strength

$$T_u = 1250.7 \text{ lb/ft} + N \tan (18.3^\circ)$$

$$(T_u = 18.25 \text{ kN/m} + N \tan (18.3^\circ))$$

## GEOGRID STRENGTH PARAMETERS

Long Term Allowable Design Strength

Sand-Silt-Clay: 2979 lb/ft (43.3 kN/m)

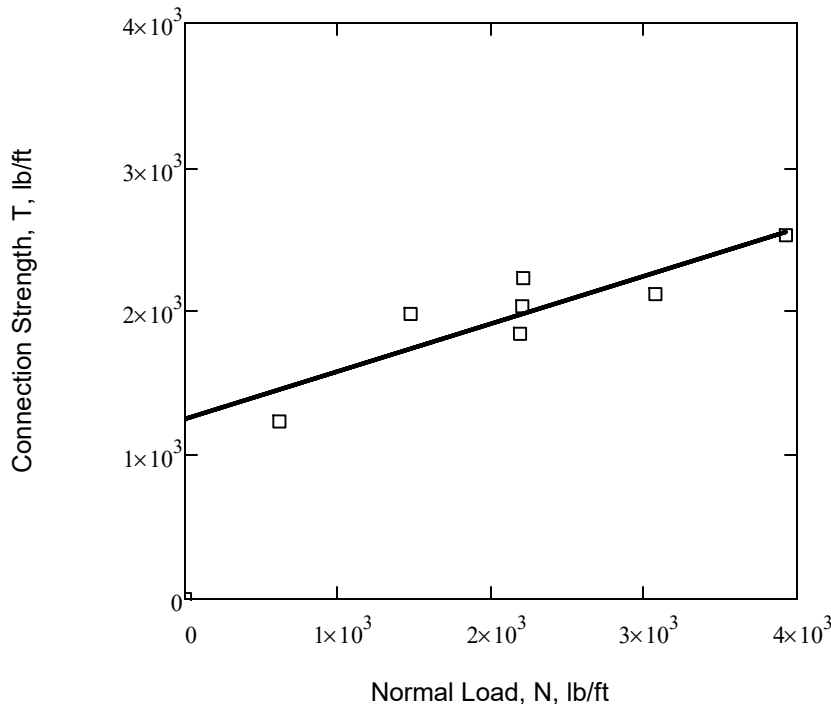
Sand-Gravel: 2950 lb/ft (42.8 kN/m)

Gravel: 2813 lb/ft (40.9 kN/m)

Reduction Factor Creep  $RF_{cr} = 1.522$



## ALLAN BLOCK STONES & FORTRAC 80/30-20T CONNECTION STRENGTH



Updated - January 5, 2022