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CONNECTION EVALUATION

Keystone Unit: Standard III
Manufacturer: Stratagrid
Geogrid Type: SG200
Laboratory: BCGT 11/1/2011

Peak Connection Equation Fit

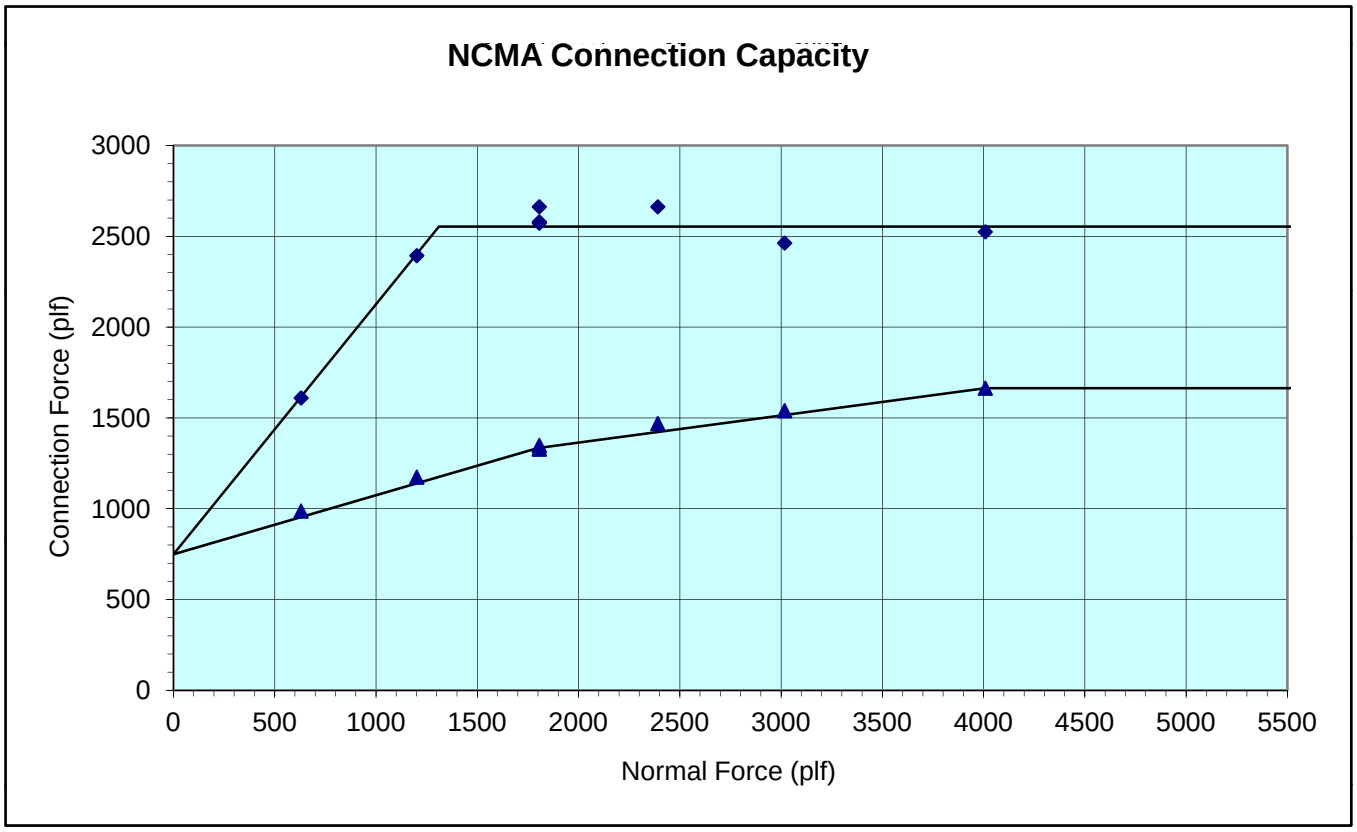
	English	Metric
Intercept (plf)	749	10.93
Slope1	54.0	54.0
Break - Normal	1311	19.13
Slope2	0.0	0.0
Maximum (plf)	2553	37.27

3/4" Serviceability Equation Fit

Intercept (plf)	749	10.93
Slope1	18.0	18.0
Break - Normal	1800	26.27
Slope2	8.5	8.5
Maximum (plf)	1664	24.28

Laboratory Test Data

Normal Load (plf)	Peak Connection (plf)	3/4" Connection (plf)
630	1610	987
1201	2394	1174
1806	2663	1329
1806	2580	1329
1806	2573	1349
2391	2663	1469
3017	2463	1540
4008	2525	1664



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CONNECTION EVALUATION

Keystone Unit: Standard III
Manufacturer: Stratagrid
Geogrid Type: SG350
Laboratory: BCGT 11/1/2011

Peak Connection Equation Fit

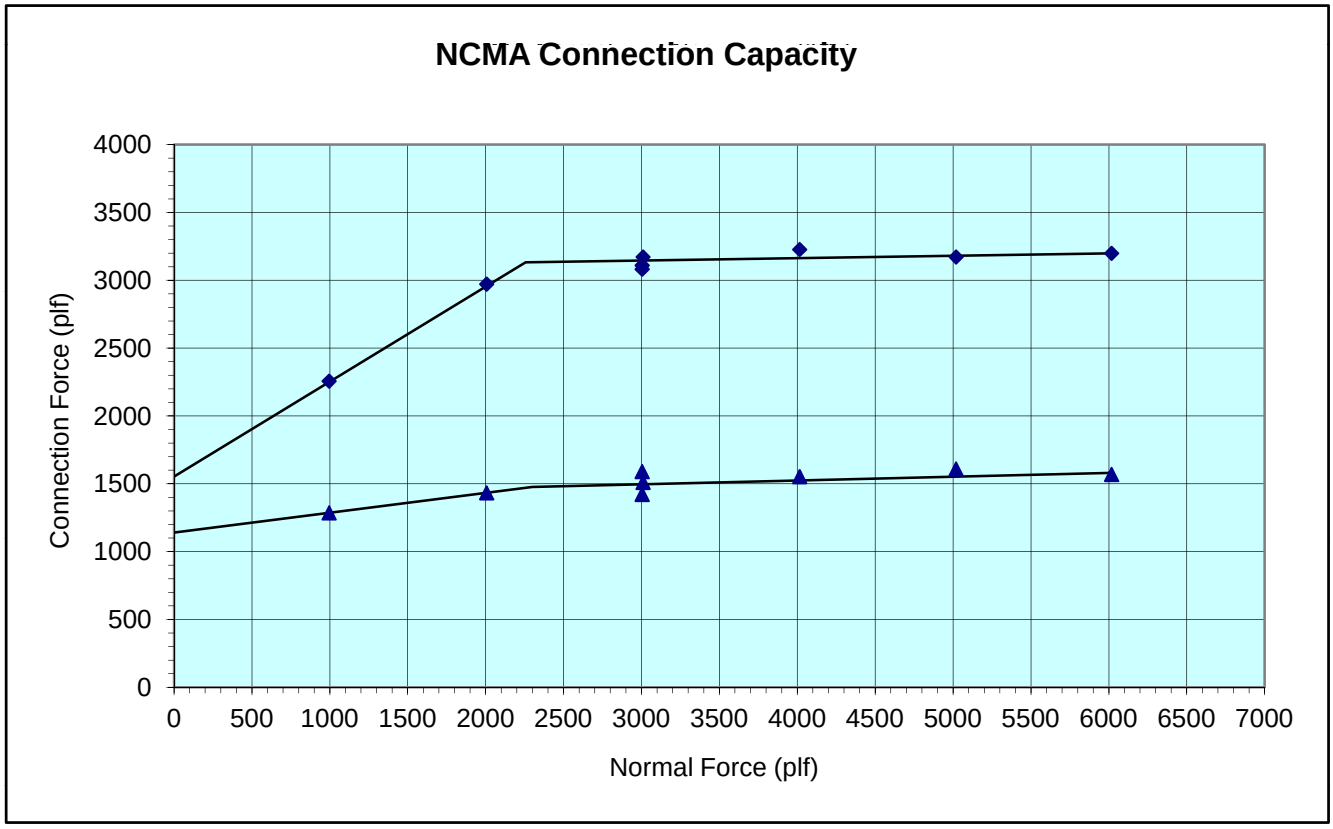
	English	Metric
Intercept (plf)	1553	22.67
Slope1	35.0	35.0
Break - Normal	2256	32.93
Slope2	1.0	1.0
Maximum (plf)	3198	46.68

3/4" Serviceability Equation Fit

Intercept (plf)	1141	16.65
Slope1	8.3	8.3
Break - Normal	2300	33.57
Slope2	1.6	1.6
Maximum (plf)	1580	23.06

Laboratory Test Data

Normal Load (plf)	Peak Connection (plf)	3/4" Connection (plf)
995	2257	1286
2006	2972	1433
3004	3110	1422
3004	3082	1590
3010	3172	1510
4015	3227	1553
5019	3172	1609
6017	3199	1569



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CONNECTION EVALUATION

Keystone Unit: Standard III
Manufacturer: Stratagrid
Geogrid Type: SG500
Laboratory: BCGT 11/1/2011

Peak Connection Equation Fit

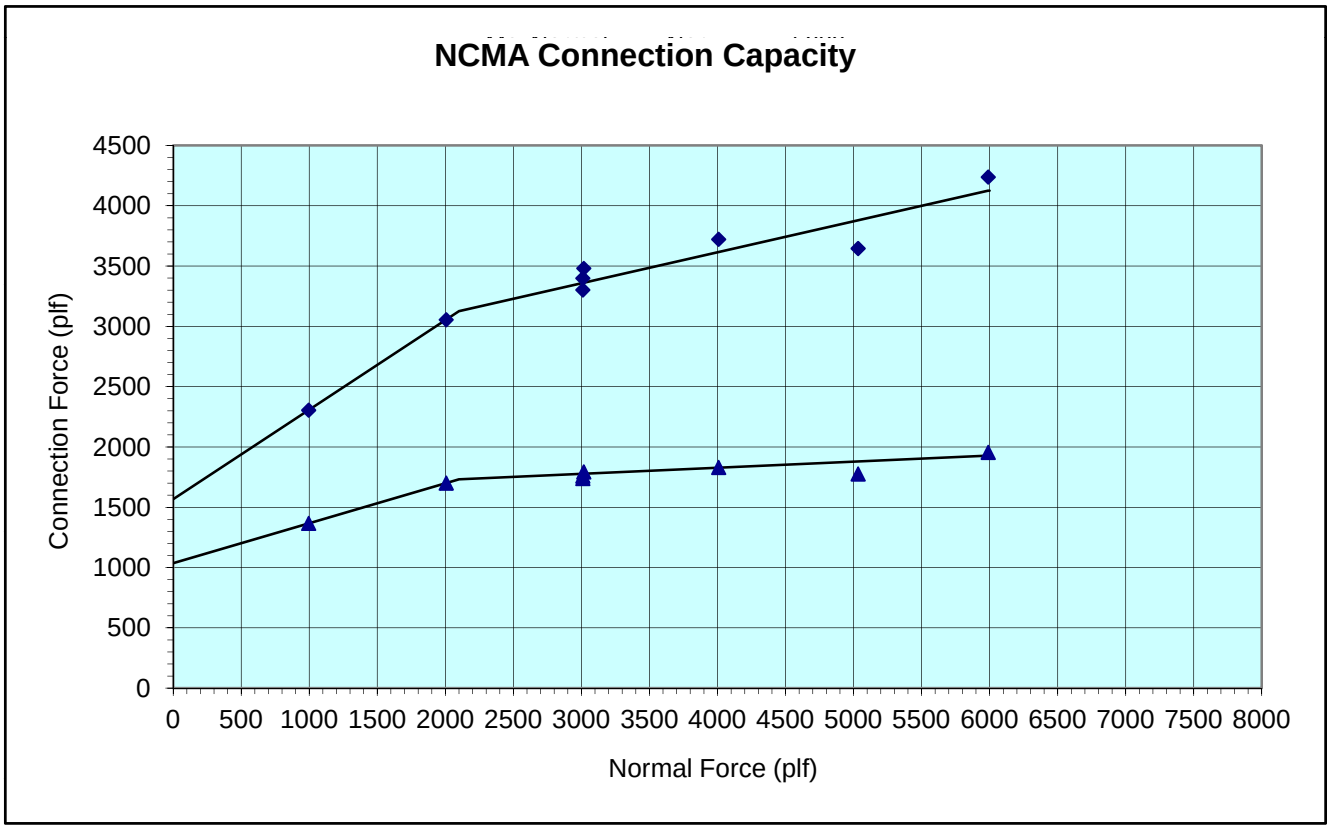
	English	Metric
Intercept (plf)	1567	22.87
Slope1	36.6	36.6
Break - Normal	2100	30.65
Slope2	14.4	14.4
Maximum (plf)	4125	60.20

3/4" Serviceability Equation Fit

Intercept (plf)	1037	15.13
Slope1	18.3	18.3
Break - Normal	2100	30.65
Slope2	2.9	2.9
Maximum (plf)	1929	28.15

Laboratory Test Data

Normal Load (plf)	Peak Connection (plf)	3/4" Connection (plf)
995	2305	1366
2006	3055	1700
3010	3302	1739
3010	3399	1759
3017	3481	1793
4008	3722	1830
5033	3646	1776
5989	4238	1955



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CONNECTION EVALUATION

Keystone Unit: Standard III
Manufacturer: Stratagrid
Geogrid Type: SG550
Laboratory: BCGT 11/16/2011

Peak Connection Equation Fit

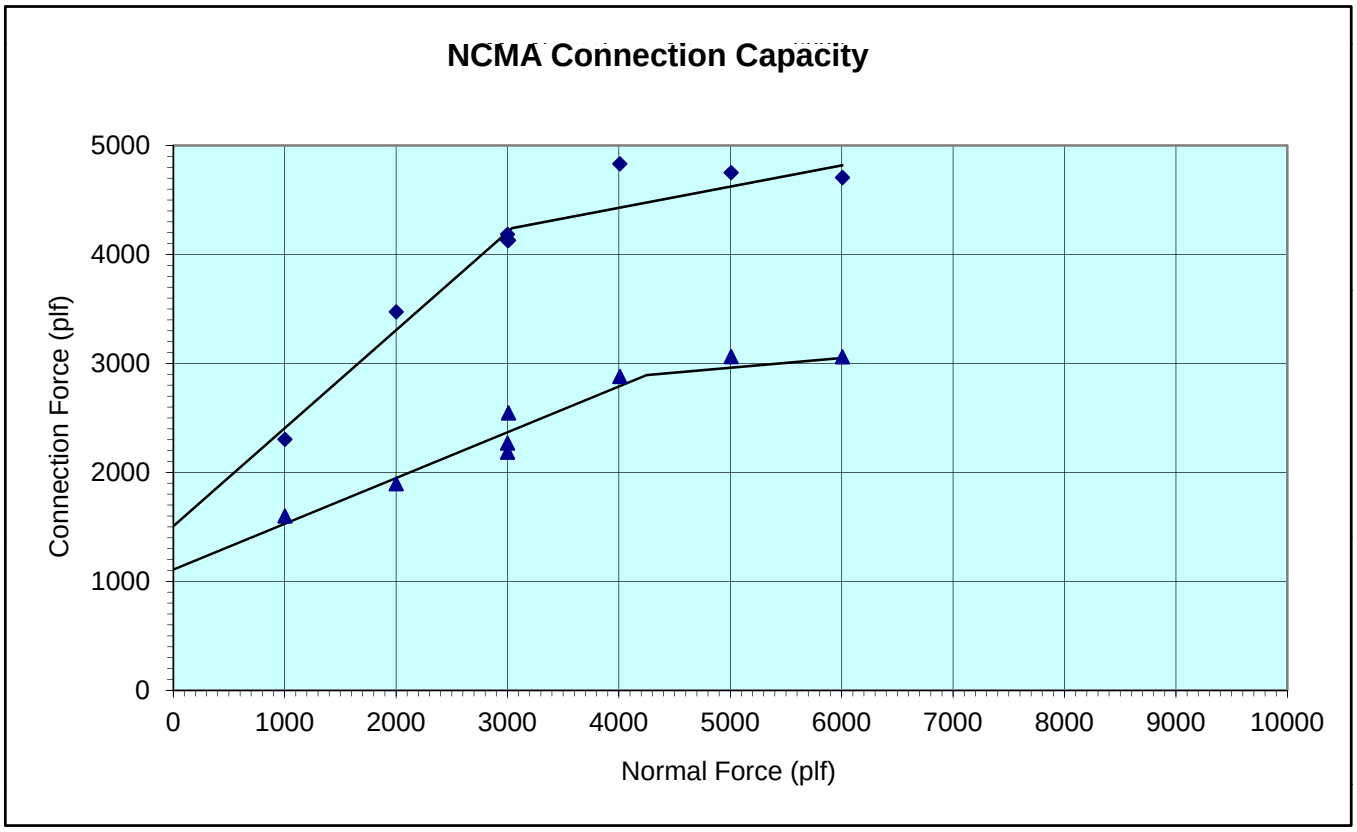
	English	Metric
Intercept (plf)	1505	21.96
Slope1	42.0	42.0
Break - Normal	3040	44.37
Slope2	11.0	11.0
Maximum (plf)	4819	70.33

3/4" Serviceability Equation Fit

Intercept (plf)	1107	16.16
Slope1	22.8	22.8
Break - Normal	4250	62.03
Slope2	5.1	5.1
Maximum (plf)	3050	44.52

Laboratory Test Data

Normal Load (plf)	Peak Connection (plf)	3/4" Connection (plf)
1002	2304	1600
2001	3474	1896
3000	4131	2269
3000	4185	2186
3009	4131	2546
4008	4833	2881
5007	4752	3063
6006	4707	3061



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CONNECTION EVALUATION

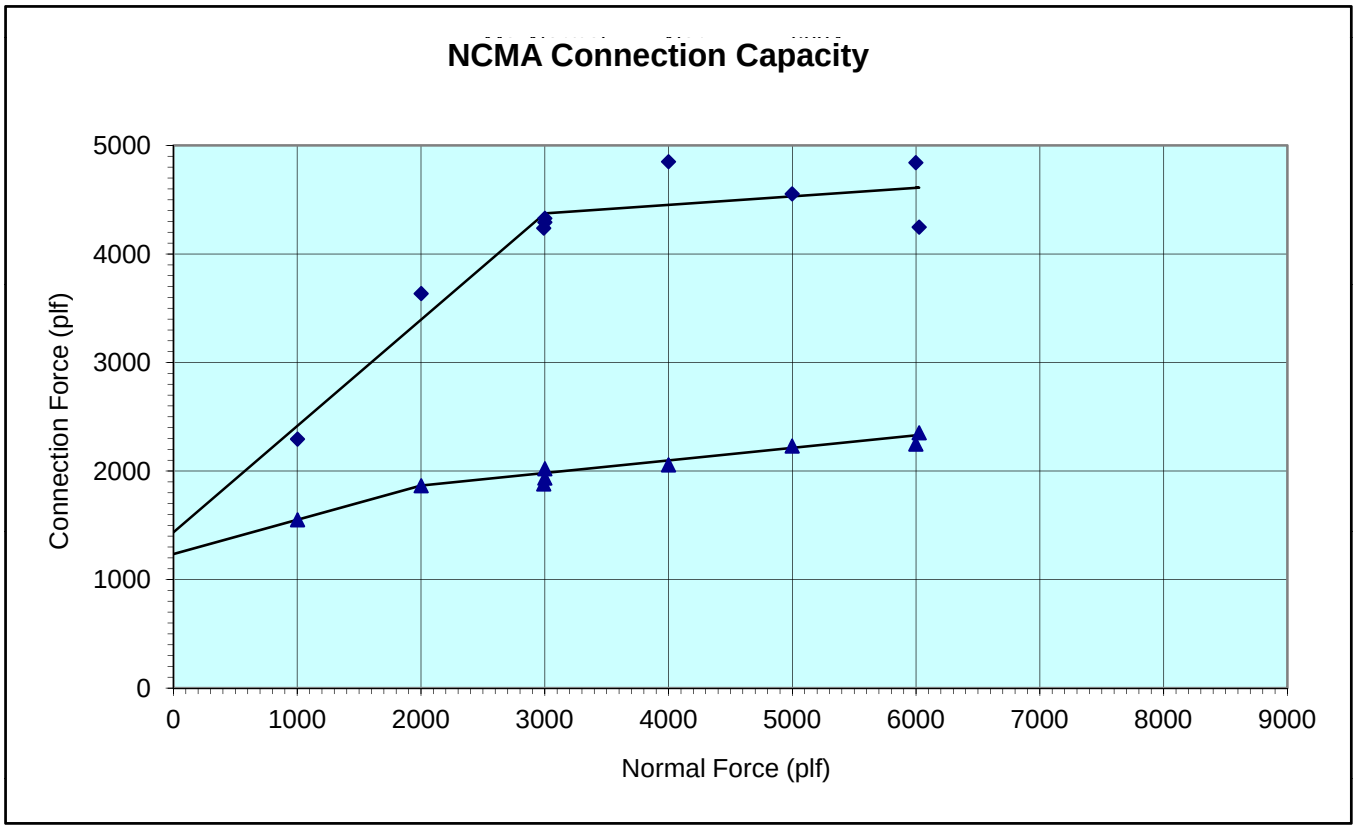
Keystone Unit: Standard III
Manufacturer: Stratagrid
Geogrid Type: SG600
Laboratory: BCGT 11/16/2011

Peak Connection Equation Fit

	English	Metric
Intercept (plf)	1436	20.96
Slope1	44.4	44.4
Break - Normal	3000	43.78
Slope2	4.5	4.5
Maximum (plf)	4612	67.31

3/4" Serviceability Equation Fit

Intercept (plf)	1236	18.04
Slope1	17.5	17.5
Break - Normal	2000	29.19
Slope2	6.6	6.6
Maximum (plf)	2332	34.04

Laboratory Test Data

Normal Load (plf)	Peak Connection (plf)	3/4" Connection (plf)
1002	2295	1551
2001	3636	1865
2991	4239	1882
3000	4329	1936
3000	4293	2022
3999	4851	2057
4998	4554	2231
5997	4842	2249
6024	4248	2353