

Dartistech

UNCONFINED COMPRESSION TEST RESULTS (ASTM D-2166)



Project: Sample Project

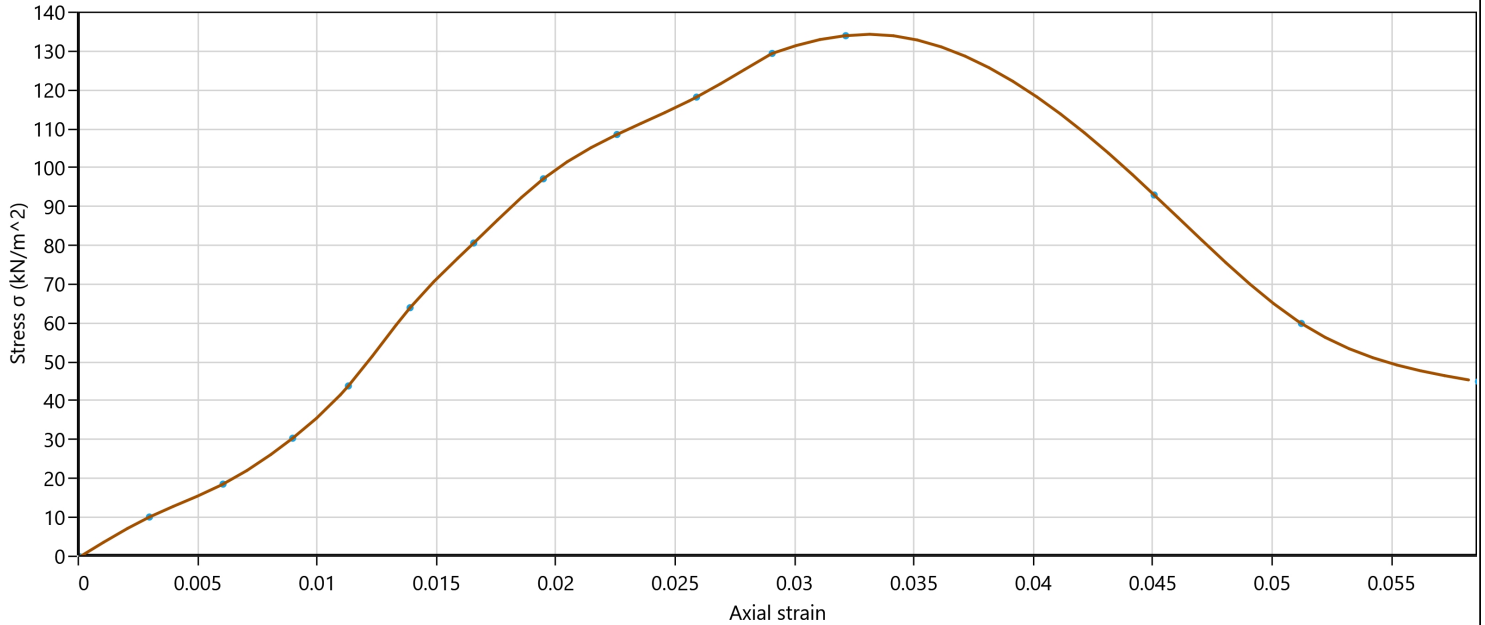
Project No: 45453334

Client: Sample Client

Location: Sample Location

BH: BH1	Sample name: BH01/2	Moist mass of specimen (g): 389.44	Sample description:
Sample depth(m): 2.00	USCS: SW-SC	Moisture content (%): 17.00	Sandy clay
cu (kN/m ²): 67.27	qu (kN/m ²): 134.54	Area A0 (cm ²): 19.63	

BH01/O/2.5



Specimen Deformation (mm)	Vertical Strain ϵ	Proving Ring Dial Reading (No. of Small Div.)	Load P (N)	Corrected Area $A_c = A_0/(1-\epsilon)$ (cm ²)	Stress σ (kN/m ²)
0.00	0.0000	0.00	0.00	19.63	0.000
0.35	0.0029	6.00	20.16	19.69	10.237
0.72	0.0060	11.00	36.96	19.75	18.711
1.07	0.0089	18.00	60.48	19.81	30.528
1.35	0.0113	26.00	87.36	19.86	43.992
1.66	0.0138	38.00	127.68	19.91	64.127
1.98	0.0165	48.00	161.28	19.96	80.784
2.33	0.0194	58.00	194.88	20.02	97.324
2.70	0.0225	65.00	218.40	20.09	108.728
3.10	0.0258	71.00	238.56	20.16	118.359
3.48	0.0290	78.00	262.08	20.22	129.605
3.85	0.0321	81.00	272.16	20.29	134.163
5.40	0.0450	57.00	191.52	20.56	93.151
6.14	0.0512	37.00	124.32	20.69	60.076
7.03	0.0586	28.00	94.08	20.86	45.108

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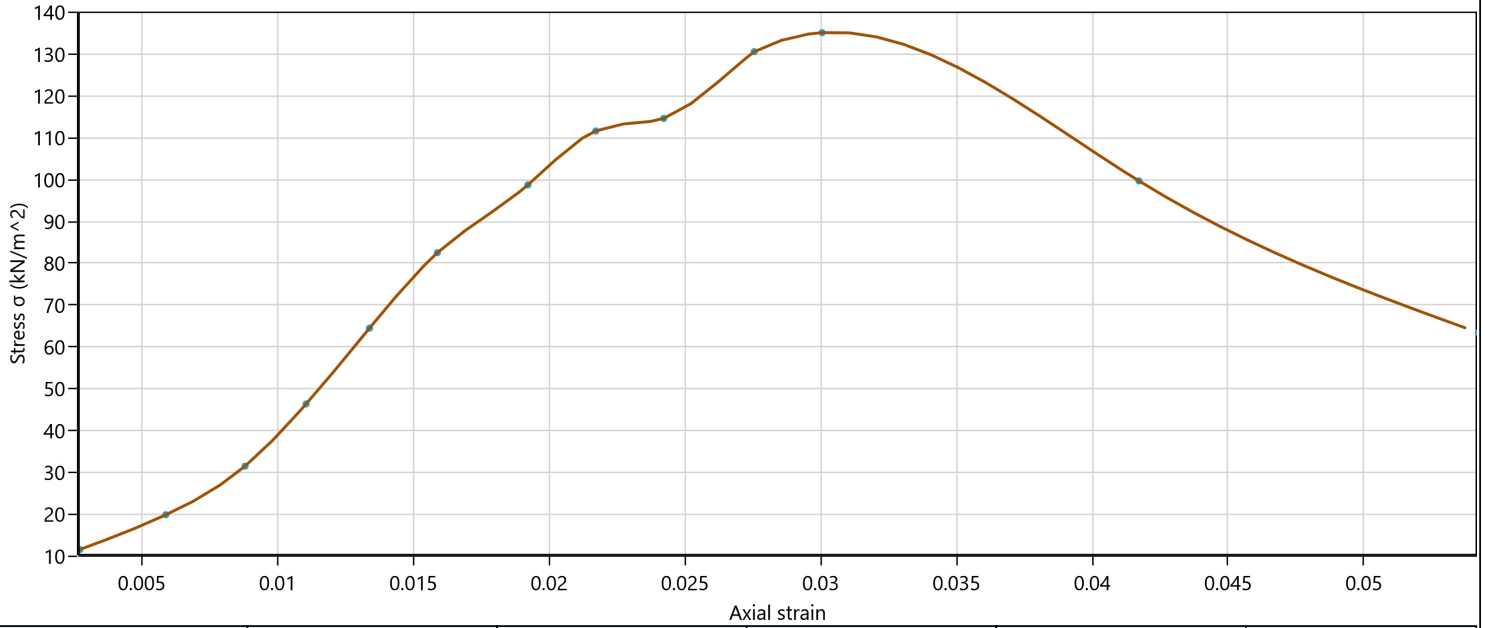
Project No: 45453334

Client: Sample Client

Location: Sample Location

BH: BH1	Sample name: BH01/3	Moist mass of specimen (g): 394.65	Sample description:
Sample depth(m): 3.00	USCS: SW-SC	Moisture content (%): 17.00	Sandy clay
cu (kN/m ²): 67.70	qu (kN/m ²): 135.41	Area A0 (cm ²): 19.63	

BH01/N/3.5



Specimen Deformation (mm)	Vertical Strain ϵ	Proving Ring Dial Reading (No. of Small Div.)	Load P (N)	Corrected Area $A_c = A_0/(1-\epsilon)$ (cm ²)	Stress σ (kN/m ²)
0.32	0.0027	7.00	23.10	19.69	11.733
0.70	0.0058	12.00	39.60	19.75	20.050
1.05	0.0088	19.00	62.70	19.81	31.653
1.32	0.0110	28.00	92.40	19.85	46.541
1.60	0.0133	39.00	128.70	19.90	64.672
1.90	0.0158	50.00	165.00	19.95	82.703
2.30	0.0192	60.00	198.00	20.02	98.908
2.60	0.0217	68.00	224.40	20.07	111.810
2.90	0.0242	70.00	231.00	20.12	114.804
3.30	0.0275	80.00	264.00	20.19	130.757
3.60	0.0300	83.00	273.90	20.24	135.311
5.00	0.0417	62.00	204.60	20.49	99.860
6.50	0.0542	40.00	132.00	20.76	63.586