



PROTEZIONE CIVILE
Presidenza del Consiglio dei Ministri
Dipartimento della Protezione Civile



Regione Emilia-Romagna



CONFERENZA DELLE REGIONI E
DELLE PROVINCE AUTONOME

Attuazione dell'articolo 11 della legge 24 giugno 2009, n. 77

MICROZONAZIONE SISMICA

Prove penetrometriche con punta elettrica e piezocono

Regione Emilia-Romagna
Comune di Busseto



| | | |
|---------------------------|---|---|
| Regione Emilia-Romagna | <p>Soggetto realizzatore</p>  <p>ENGEO S.r.l. ENGINEERING GEOLOGY www.engeo.it</p> <p>Direzione tecnica Dott. Geol. Carlo Caleffi Dott. Geol. Francesco Cerutti</p> <p>Collaboratori Dott. Geol. Matteo Baisi Dott.ssa Geol. Alessandra Cantoni Dott. Geol. Andrea Conti Dott.ssa Geol. Melinda Raimondo</p> | <p>Data Maggio 2022</p> <p>MS3</p> |
|---------------------------|---|---|

FERRARA DEPARTMENT

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www.socotec.it**COMMITTENTE: ENGELO S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma****CANTIERE: Via Bach - Campo Sportivo- Busseto (PR)**

PROVA N°: CPTU 1 PROF. FALDA (m da p.c.): 1.20

PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

DATA: 02/03/22 PREFORO (m da p.c.): LAT. (WGS 84): 44.978983° LONG. (WGS 84): 10.046399°

COMMESSA: 23711FE/22 C. SITO N°: SF220198 del 07/03/202 OPERATORE: L. Formisano

| prof. | qc | fs | U | incl. | prof. | qc | fs | U | incl. | prof. | qc | fs | U | incl. | prof. | qc | fs | U | incl. | prof. | qc | fs | U | incl. |
|-------|------|-------|-------|-------|--------|------|-------|--------|-------|-------|------|-------|--------|-------|-------|------|--------|--------|-------|-------|------|-------|--------|-------|
| m | Mpa | kPa | kPa | gradi | m | Mpa | kPa | kPa | gradi | m | Mpa | kPa | kPa | gradi | m | Mpa | kPa | kPa | gradi | m | Mpa | kPa | kPa | gradi |
| 0.02 | 1.55 | 16.18 | 4.67 | 0.56 | 2.02 | 1.19 | 93.18 | 65.93 | 2.07 | 4.02 | 1.42 | 84.16 | 157.10 | 2.89 | 6.02 | 1.80 | 89.82 | 387.46 | 3.81 | 8.02 | 2.12 | 25.19 | 256.41 | 4.74 |
| 0.04 | 3.12 | 17.96 | 8.00 | 0.78 | 2.04 | 1.14 | 95.06 | 65.12 | 2.07 | 4.04 | 1.35 | 85.49 | 153.03 | 2.90 | 6.04 | 1.83 | 91.82 | 396.41 | 3.82 | 8.04 | 2.51 | 30.08 | 133.49 | 4.75 |
| 0.06 | 5.12 | 23.07 | 9.33 | 0.75 | 2.06 | 1.14 | 95.84 | 60.23 | 2.08 | 4.06 | 1.34 | 85.16 | 151.40 | 2.90 | 6.06 | 1.88 | 96.59 | 407.81 | 3.83 | 8.06 | 2.70 | 34.63 | 56.98 | 4.78 |
| 0.08 | 5.47 | 28.40 | 12.00 | 0.68 | 2.08 | 1.14 | 95.72 | 59.42 | 2.09 | 4.08 | 1.26 | 83.94 | 150.59 | 2.92 | 6.08 | 1.89 | 102.04 | 423.28 | 3.85 | 8.08 | 2.86 | 37.19 | 30.11 | 4.78 |
| 0.10 | 4.82 | 28.40 | 8.67 | 0.68 | 2.10 | 1.09 | 95.72 | 65.12 | 2.09 | 4.10 | 1.32 | 83.38 | 155.47 | 2.92 | 6.10 | 1.99 | 107.04 | 442.00 | 3.87 | 8.10 | 2.94 | 39.75 | 27.67 | 4.79 |
| 0.12 | 4.17 | 37.07 | 8.67 | 0.66 | 2.12 | 1.08 | 96.27 | 66.75 | 2.11 | 4.12 | 1.24 | 81.82 | 150.75 | 2.94 | 6.12 | 2.09 | 112.04 | 469.67 | 3.87 | 8.12 | 2.94 | 40.08 | 30.93 | 4.80 |
| 0.14 | 4.84 | 61.62 | 8.00 | 0.81 | 2.14 | 1.08 | 95.15 | 56.98 | 2.12 | 4.14 | 1.25 | 76.04 | 187.22 | 2.94 | 6.14 | 2.23 | 114.81 | 491.65 | 3.87 | 8.14 | 2.86 | 36.41 | 32.56 | 4.81 |
| 0.16 | 9.50 | 89.95 | 12.67 | 1.00 | 2.16 | 1.05 | 95.48 | 50.47 | 2.11 | 4.16 | 1.30 | 71.60 | 182.33 | 2.96 | 6.16 | 2.35 | 117.03 | 524.21 | 3.88 | 8.16 | 2.78 | 31.30 | 35.81 | 4.83 |
| 0.18 | 7.42 | 84.51 | 4.00 | 1.08 | 2.18 | 1.03 | 94.04 | 48.84 | 2.11 | 4.18 | 1.33 | 68.81 | 179.08 | 2.95 | 6.18 | 2.43 | 118.59 | 606.43 | 3.87 | 8.18 | 2.69 | 28.08 | 37.44 | 4.84 |
| 0.20 | 3.20 | 42.51 | 10.67 | 1.04 | 2.20 | 1.03 | 91.81 | 48.03 | 2.13 | 4.20 | 1.35 | 68.59 | 182.33 | 2.96 | 6.20 | 2.58 | 118.70 | 612.13 | 3.89 | 8.20 | 2.60 | 27.20 | 39.07 | 4.85 |
| 0.22 | 2.57 | 37.73 | 8.00 | 0.97 | 2.22 | 1.00 | 84.80 | 49.65 | 2.12 | 4.22 | 1.36 | 70.70 | 184.77 | 2.97 | 6.22 | 2.62 | 119.14 | 630.03 | 3.90 | 8.22 | 2.45 | 30.09 | 39.89 | 4.87 |
| 0.24 | 3.68 | 40.07 | 12.67 | 1.03 | 2.24 | 0.98 | 77.02 | 50.47 | 2.13 | 4.24 | 1.41 | 73.92 | 188.03 | 2.98 | 6.24 | 2.67 | 123.47 | 595.03 | 3.90 | 8.24 | 2.28 | 32.31 | 38.25 | 4.88 |
| 0.26 | 4.23 | 45.96 | 15.33 | 1.05 | 2.26 | 1.01 | 74.35 | 53.73 | 2.16 | 4.26 | 1.44 | 77.58 | 190.47 | 3.00 | 6.26 | 2.67 | 124.69 | 630.85 | 3.92 | 8.26 | 2.18 | 33.53 | 37.44 | 4.88 |
| 0.28 | 4.66 | 42.19 | 14.67 | 1.00 | 2.28 | 0.99 | 72.79 | 50.47 | 2.16 | 4.28 | 1.42 | 83.58 | 198.61 | 3.00 | 6.28 | 2.68 | 126.58 | 675.62 | 3.92 | 8.28 | 2.07 | 36.98 | 37.44 | 4.89 |
| 0.30 | 4.84 | 31.53 | 11.33 | 0.98 | 2.30 | 0.97 | 71.23 | 47.21 | 2.15 | 4.30 | 1.42 | 87.25 | 182.33 | 3.01 | 6.30 | 2.71 | 129.91 | 655.27 | 3.93 | 8.30 | 1.93 | 40.20 | 36.63 | 4.90 |
| 0.32 | 3.33 | 15.19 | 3.33 | 0.98 | 2.32 | 0.97 | 71.12 | 44.77 | 2.15 | 4.32 | 1.42 | 90.13 | 161.99 | 3.04 | 6.32 | 2.84 | 128.58 | 572.24 | 3.94 | 8.32 | 1.91 | 44.64 | 38.25 | 4.90 |
| 0.34 | 3.03 | 36.64 | 3.33 | 0.98 | 2.34 | 1.05 | 86.45 | 44.77 | 2.16 | 4.34 | 1.39 | 93.13 | 159.54 | 3.04 | 6.34 | 2.84 | 135.68 | 528.29 | 3.96 | 8.34 | 1.91 | 48.75 | 39.07 | 4.92 |
| 0.36 | 2.32 | 59.21 | 0.67 | 1.00 | 2.36 | 1.05 | 84.44 | 54.53 | 2.18 | 4.36 | 1.33 | 94.35 | 164.43 | 3.05 | 6.36 | 2.84 | 140.02 | 494.09 | 3.96 | 8.36 | 1.91 | 53.20 | 41.51 | 4.93 |
| 0.38 | 2.17 | 68.10 | 2.00 | 0.98 | 2.38 | 1.08 | 80.78 | 59.42 | 2.18 | 4.38 | 1.33 | 93.69 | 163.61 | 3.07 | 6.38 | 2.79 | 145.79 | 481.07 | 3.97 | 8.38 | 1.90 | 57.20 | 42.33 | 4.94 |
| 0.40 | 2.15 | 81.89 | 3.33 | 0.99 | 2.40 | 1.07 | 76.66 | 56.98 | 2.20 | 4.40 | 1.31 | 92.91 | 169.31 | 3.07 | 6.40 | 2.79 | 151.79 | 484.33 | 3.98 | 8.40 | 1.85 | 57.41 | 42.33 | 4.96 |
| 0.42 | 1.86 | 81.57 | 6.00 | 0.99 | 2.42 | 1.06 | 74.10 | 52.09 | 2.20 | 4.42 | 1.34 | 92.24 | 167.68 | 3.08 | 6.42 | 2.87 | 154.68 | 446.07 | 3.99 | 8.42 | 1.77 | 55.08 | 42.33 | 4.97 |
| 0.44 | 2.26 | 81.57 | 4.00 | 1.02 | 2.44 | 1.08 | 72.10 | 52.09 | 2.21 | 4.44 | 1.36 | 93.35 | 184.77 | 3.09 | 6.44 | 2.77 | 165.78 | 468.05 | 3.99 | 8.44 | 1.56 | 52.86 | 39.07 | 4.98 |
| 0.46 | 2.83 | 69.03 | 4.00 | 1.03 | 2.46 | 1.08 | 72.77 | 54.53 | 2.20 | 4.46 | 1.40 | 91.01 | 189.66 | 3.10 | 6.46 | 2.74 | 170.00 | 421.65 | 4.00 | 8.46 | 1.42 | 49.75 | 37.44 | 4.99 |
| 0.48 | 2.59 | 59.37 | 6.67 | 1.03 | 2.48 | 1.05 | 74.21 | 58.61 | 2.23 | 4.48 | 1.43 | 88.56 | 196.99 | 3.11 | 6.48 | 2.69 | 169.78 | 408.63 | 4.01 | 8.48 | 1.34 | 44.63 | 39.89 | 5.00 |
| 0.50 | 2.17 | 53.71 | 6.67 | 1.03 | 2.50 | 1.03 | 77.32 | 65.12 | 2.23 | 4.50 | 1.48 | 87.23 | 197.80 | 3.12 | 6.50 | 2.61 | 170.55 | 389.09 | 4.02 | 8.50 | 1.29 | 41.97 | 40.70 | 5.01 |
| 0.52 | 1.73 | 61.83 | 9.33 | 1.03 | 2.52 | 1.02 | 81.32 | 68.37 | 2.24 | 4.52 | 1.48 | 87.23 | 201.05 | 3.13 | 6.52 | 2.58 | 170.66 | 393.16 | 4.03 | 8.52 | 1.28 | 40.97 | 43.95 | 5.03 |
| 0.54 | 1.59 | 62.95 | 9.33 | 1.03 | 2.54 | 1.01 | 83.21 | 71.63 | 2.26 | 4.54 | 1.46 | 88.67 | 226.29 | 3.14 | 6.54 | 2.45 | 170.10 | 386.65 | 4.03 | 8.54 | 1.27 | 41.52 | 45.58 | 5.04 |
| 0.56 | 1.40 | 63.63 | 10.67 | 1.05 | 2.56 | 0.98 | 84.54 | 75.70 | 2.28 | 4.56 | 1.46 | 90.00 | 250.71 | 3.16 | 6.56 | 2.34 | 168.54 | 377.69 | 4.04 | 8.56 | 1.27 | 42.97 | 46.39 | 5.04 |
| 0.58 | 1.31 | 63.64 | 12.67 | 1.06 | 2.58 | 0.96 | 85.09 | 80.59 | 2.27 | 4.58 | 1.46 | 90.66 | 256.41 | 3.16 | 6.58 | 2.24 | 164.54 | 367.11 | 4.05 | 8.58 | 1.23 | 43.63 | 46.39 | 5.05 |
| 0.60 | 1.20 | 68.42 | 14.67 | 1.08 | 2.60 | 0.96 | 84.76 | 86.28 | 2.28 | 4.60 | 1.46 | 90.66 | 266.17 | 3.17 | 6.60 | 2.18 | 159.31 | 333.74 | 4.05 | 8.60 | 1.19 | 42.18 | 47.21 | 5.05 |
| 0.62 | 1.24 | 74.77 | 14.67 | 1.09 | 2.62 | 0.90 | 84.31 | 92.79 | 2.27 | 4.62 | 1.47 | 91.21 | 302.81 | 3.18 | 6.62 | 2.16 | 156.53 | 301.18 | 4.06 | 8.62 | 1.13 | 40.85 | 48.03 | 5.08 |
| 0.64 | 1.21 | 76.66 | 14.67 | 1.09 | 2.64 | 0.93 | 80.75 | 95.23 | 2.29 | 4.64 | 1.51 | 90.88 | 306.87 | 3.19 | 6.64 | 2.17 | 151.53 | 328.04 | 4.07 | 8.64 | 1.10 | 39.96 | 49.65 | 5.07 |
| 0.66 | 1.32 | 69.67 | 11.50 | 1.11 | 2.66 | 0.96 | 78.31 | 99.31 | 2.30 | 4.66 | 1.55 | 89.88 | 313.39 | 3.20 | 6.66 | 2.16 | 147.86 | 354.09 | 4.08 | 8.66 | 1.10 | 37.85 | 54.53 | 5.08 |
| 0.68 | 2.93 | 76.46 | 12.50 | 1.12 | 2.68 | 1.01 | 76.19 | 102.56 | 2.32 | 4.68 | 1.58 | 88.43 | 318.27 | 3.20 | 6.68 | 2.14 | 142.96 | 361.41 | 4.08 | 8.68 | 1.13 | 35.40 | 67.56 | 5.08 |
| 0.70 | 3.04 | 59.35 | 12.50 | 1.13 | 2.70 | 1.02 | 75.08 | 108.26 | 2.31 | 4.70 | 1.58 | 87.54 | 328.85 | 3.21 | 6.70 | 2.15 | 138.18 | 357.35 | 4.09 | 8.70 | 1.16 | 36.29 | 73.26 | 5.10 |
| 0.72 | 3.86 | 26.36 | 12.50 | 1.12 | 2.72 | 1.05 | 75.30 | 111.51 | 2.34 | 4.72 | 1.63 | 86.65 | 338.62 | 3.22 | 6.72 | 2.17 | 133.18 | 385.02 | 4.09 | 8.72 | 1.10 | 35.85 | 74.89 | 5.10 |
| 0.74 | 3.37 | 49.70 | 14.00 | 1.10 | 2.74 | 1.04 | 74.85 | 111.51 | 2.33 | 4.74 | 1.66 | 86.09 | 350.02 | 3.23 | 6.74 | 2.25 | 125.96 | 385.02 | 4.11 | 8.74 | 1.03 | 35.63 | 73.26 | 5.12 |
| 0.76 | 2.88 | 73.04 | 15.50 | 1.08 | 2.76 | 1.05 | 72.74 | 113.96 | 2.35 | 4.76 | 1.66 | 87.31 | 363.85 | 3.24 | 6.76 | 2.21 | 119.84 | 380.13 | 4.12 | 8.76 | 0.92 | 35.07 | 74.07 | 5.13 |
| 0.78 | 2.67 | 93.61 | 18.50 | 1.00 | 2.78 | 1.02 | 71.41 | 113.96 | 2.35 | 4.78 | 1.64 | 89.42 | 378.51 | 3.25 | 6.78 | 2.16 | 119.73 | 384.21 | 4.13 | 8.78 | 0.97 | 33.18 | 91.98 | 5.14 |
| 0.80 | 1.77 | 50.95 | 19.50 | 1.04 | 2.80 | 1.00 | 71.84 | 135.93 | 2.36 | 4.80 | 1.66 | 91.09 | 378.51 | 3.26 | 6.80 | 2.16 | 120.17 | 393.16 | 4.13 | 8.80 | 1.10 | 30.74 | 116.40 | 5.15 |
| 0.82 | 0.98 | 80.30 | 19.00 | 1.06 | 2.82 | 1.02 | 69.06 | 141.63 | 2.36 | 4.82 | 1.64 | 89.31 | 373.63 | 3.27 | 6.82 | 2.20 | 121.39 | 393.97 | 4.14 | 8.82 | 1.16 | 30.74 | 118.03 | 5.16 |
| 0.84 | 0.99 | 79.20 | 13.50 | 1.07 | 2.84 | 1.02 | 67.17 | 148.15 | 2.38 | 4.84 | 1.69 | 93.09 | 391.53 | 3.29 | 6.84 | 2.25 | 119.63 | 407.81 | 4.16 | 8.84 | 1.16 | 32.96 | 117.21 | 5.17 |
| 0.86 | 1.08 | 80.98 | 12.50 | 1.09 | 2.86.8 | | | | | | | | | | | | | | | | | | | |

FERRARA DEPARTMENT

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www.socotec.it**COMMITTENTE: ENGELO S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma****CANTIERE: Via Bach - Campo Sportivo- Busseto (PR)**

PROVA N°: CPTU 1 PROF. FALDA (m da p.c.): 1.20

PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

DATA: 02/03/22

PREFORO (m da p.c.):

LAT. (WGS 84): 44.978983°

LONG. (WGS 84): 10.046399°

COMMESSA: 23711FE/22

C. SITO N°: SF220198 del 07/03/202 OPERATORE: L. Formisano

| prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi |
|---------|--------|--------|-------|-------------|---------|--------|--------|-------|-------------|---------|--------|--------|-------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|
| 10.02 | 12.21 | 47.42 | 17.09 | 5.82 | 12.02 | 17.44 | 65.16 | 70.00 | 6.87 | 14.02 | 11.46 | 51.62 | 36.63 | 7.96 | 16.02 | 15.81 | 71.30 | 65.93 | 8.20 | 18.02 | 9.28 | 55.20 | 54.53 | 8.45 |
| 10.04 | 12.75 | 46.20 | 17.91 | 5.83 | 12.04 | 17.88 | 65.16 | 76.51 | 6.87 | 14.04 | 11.41 | 49.84 | 35.81 | 7.96 | 16.04 | 15.80 | 72.97 | 63.49 | 8.20 | 18.04 | 9.28 | 53.87 | 53.72 | 8.45 |
| 10.06 | 12.91 | 44.53 | 21.97 | 5.85 | 12.06 | 18.15 | 67.05 | 78.95 | 6.86 | 14.06 | 11.40 | 50.17 | 35.81 | 7.96 | 16.06 | 15.92 | 73.41 | 61.86 | 8.19 | 18.06 | 9.25 | 52.77 | 52.91 | 8.45 |
| 10.08 | 13.00 | 38.76 | 27.67 | 5.86 | 12.08 | 18.76 | 67.72 | 87.91 | 6.85 | 14.08 | 11.38 | 49.29 | 35.81 | 7.97 | 16.08 | 15.94 | 72.86 | 61.86 | 8.20 | 18.08 | 9.22 | 52.10 | 52.09 | 8.45 |
| 10.10 | 13.02 | 29.42 | 31.75 | 5.88 | 12.10 | 19.63 | 64.27 | 96.87 | 6.85 | 14.10 | 11.38 | 48.06 | 35.81 | 7.97 | 16.10 | 15.69 | 74.30 | 60.23 | 8.21 | 18.10 | 9.20 | 51.43 | 52.09 | 8.45 |
| 10.12 | 13.30 | 24.64 | 38.25 | 5.87 | 12.12 | 19.87 | 70.94 | 83.03 | 6.86 | 14.12 | 11.32 | 47.18 | 35.81 | 7.97 | 16.12 | 15.80 | 76.52 | 61.05 | 8.21 | 18.12 | 9.19 | 51.44 | 52.09 | 8.45 |
| 10.14 | 13.43 | 27.53 | 44.77 | 5.91 | 12.14 | 19.28 | 104.49 | 56.98 | 6.87 | 14.14 | 11.22 | 46.73 | 35.00 | 7.98 | 16.14 | 15.99 | 78.41 | 63.49 | 8.21 | 18.14 | 9.16 | 51.10 | 51.28 | 8.45 |
| 10.16 | 13.48 | 31.87 | 50.47 | 5.91 | 12.16 | 18.93 | 90.82 | 58.61 | 6.87 | 14.16 | 11.06 | 46.51 | 34.19 | 7.97 | 16.16 | 16.37 | 78.52 | 67.56 | 8.21 | 18.16 | 9.16 | 51.21 | 52.09 | 8.46 |
| 10.18 | 13.43 | 35.20 | 54.53 | 5.91 | 12.18 | 17.99 | 84.15 | 56.17 | 6.88 | 14.18 | 10.90 | 46.51 | 33.37 | 7.98 | 16.18 | 16.35 | 75.19 | 70.00 | 8.21 | 18.18 | 9.16 | 51.55 | 52.09 | 8.46 |
| 10.20 | 13.46 | 38.75 | 59.42 | 5.93 | 12.20 | 16.84 | 84.26 | 50.47 | 6.87 | 14.20 | 10.72 | 46.63 | 32.56 | 7.98 | 16.20 | 16.73 | 74.30 | 70.81 | 8.21 | 18.20 | 9.16 | 51.10 | 52.09 | 8.46 |
| 10.22 | 13.79 | 41.09 | 69.19 | 5.93 | 12.22 | 15.95 | 88.81 | 47.21 | 6.87 | 14.22 | 10.60 | 47.18 | 32.56 | 7.98 | 16.22 | 17.11 | 73.41 | 71.63 | 8.21 | 18.22 | 9.20 | 50.77 | 52.91 | 8.46 |
| 10.24 | 14.46 | 42.53 | 83.84 | 5.95 | 12.24 | 15.32 | 93.03 | 47.21 | 6.88 | 14.24 | 10.54 | 47.41 | 32.56 | 7.97 | 16.24 | 17.30 | 74.07 | 71.63 | 8.22 | 18.24 | 9.25 | 51.21 | 53.72 | 8.46 |
| 10.26 | 14.95 | 43.86 | 93.61 | 5.96 | 12.26 | 14.82 | 88.58 | 46.39 | 6.87 | 14.26 | 10.46 | 46.74 | 31.75 | 7.97 | 16.26 | 17.38 | 74.74 | 70.81 | 8.22 | 18.26 | 9.36 | 51.21 | 55.35 | 8.47 |
| 10.28 | 15.39 | 46.08 | 98.49 | 5.97 | 12.28 | 14.17 | 83.02 | 43.95 | 6.89 | 14.28 | 10.46 | 44.07 | 30.93 | 7.96 | 16.28 | 17.43 | 76.74 | 71.63 | 8.22 | 18.28 | 9.49 | 51.22 | 56.98 | 8.47 |
| 10.30 | 15.68 | 47.97 | 92.79 | 5.99 | 12.30 | 13.59 | 73.69 | 42.33 | 6.90 | 14.30 | 10.43 | 42.85 | 30.11 | 7.97 | 16.30 | 17.57 | 80.41 | 73.26 | 8.22 | 18.30 | 9.60 | 51.11 | 58.61 | 8.47 |
| 10.32 | 15.80 | 49.74 | 92.79 | 6.00 | 12.32 | 13.24 | 68.46 | 41.51 | 6.91 | 14.32 | 10.62 | 42.19 | 30.11 | 7.97 | 16.32 | 17.48 | 81.63 | 73.26 | 8.22 | 18.32 | 9.74 | 51.22 | 60.23 | 8.47 |
| 10.34 | 15.64 | 50.40 | 87.91 | 6.00 | 12.34 | 13.01 | 63.13 | 42.33 | 6.92 | 14.34 | 10.57 | 43.52 | 29.30 | 7.98 | 16.34 | 17.38 | 82.85 | 73.26 | 8.22 | 18.34 | 9.86 | 51.66 | 61.86 | 8.47 |
| 10.36 | 15.71 | 52.18 | 91.98 | 6.03 | 12.36 | 12.87 | 60.68 | 43.14 | 6.92 | 14.36 | 10.57 | 43.41 | 29.30 | 7.97 | 16.36 | 17.33 | 82.63 | 73.26 | 8.23 | 18.36 | 10.00 | 52.33 | 63.49 | 8.48 |
| 10.38 | 15.80 | 53.40 | 91.17 | 6.03 | 12.38 | 12.79 | 59.24 | 44.77 | 6.92 | 14.38 | 10.58 | 44.30 | 28.49 | 7.99 | 16.38 | 17.33 | 82.85 | 74.07 | 8.23 | 18.38 | 10.11 | 52.44 | 65.12 | 8.48 |
| 10.40 | 15.83 | 54.06 | 93.61 | 6.04 | 12.40 | 12.68 | 59.01 | 44.77 | 6.94 | 14.40 | 10.62 | 46.08 | 29.30 | 8.00 | 16.40 | 17.44 | 82.73 | 76.51 | 8.23 | 18.40 | 10.28 | 53.22 | 67.56 | 8.48 |
| 10.42 | 15.91 | 54.06 | 94.42 | 6.05 | 12.42 | 12.58 | 59.23 | 44.77 | 6.94 | 14.42 | 10.72 | 46.86 | 30.11 | 8.01 | 16.42 | 17.55 | 83.84 | 78.14 | 8.23 | 18.42 | 10.51 | 53.55 | 70.00 | 8.49 |
| 10.44 | 15.89 | 54.50 | 94.42 | 6.06 | 12.44 | 12.50 | 59.23 | 44.77 | 6.96 | 14.44 | 10.85 | 47.41 | 30.93 | 8.01 | 16.44 | 17.76 | 85.40 | 77.33 | 8.22 | 18.44 | 10.82 | 54.66 | 74.07 | 8.49 |
| 10.46 | 15.91 | 55.50 | 91.98 | 6.07 | 12.46 | 12.41 | 59.56 | 44.77 | 6.96 | 14.46 | 11.02 | 47.75 | 32.56 | 8.01 | 16.46 | 18.09 | 92.51 | 83.03 | 8.21 | 18.46 | 11.40 | 56.89 | 81.40 | 8.49 |
| 10.48 | 16.05 | 57.27 | 96.05 | 6.08 | 12.48 | 12.31 | 60.12 | 43.95 | 6.97 | 14.48 | 11.07 | 47.75 | 33.37 | 8.02 | 16.48 | 17.16 | 85.40 | 75.70 | 8.22 | 18.48 | 12.25 | 60.11 | 91.98 | 8.49 |
| 10.50 | 16.09 | 59.15 | 96.87 | 6.09 | 12.50 | 12.26 | 59.56 | 43.95 | 6.97 | 14.50 | 11.07 | 46.19 | 33.37 | 8.02 | 16.50 | 17.08 | 82.73 | 77.33 | 8.23 | 18.50 | 13.19 | 61.78 | 101.75 | 8.50 |
| 10.52 | 16.00 | 60.37 | 96.05 | 6.10 | 12.52 | 12.18 | 59.89 | 43.14 | 6.98 | 14.52 | 11.02 | 45.53 | 33.37 | 8.02 | 16.52 | 17.03 | 85.39 | 83.84 | 8.23 | 18.52 | 13.87 | 61.78 | 104.19 | 8.50 |
| 10.54 | 15.74 | 60.81 | 92.79 | 6.11 | 12.54 | 12.06 | 58.78 | 41.51 | 6.99 | 14.54 | 10.97 | 45.86 | 34.19 | 8.02 | 16.54 | 16.89 | 81.84 | 86.28 | 8.24 | 18.54 | 14.22 | 62.22 | 105.82 | 8.50 |
| 10.56 | 15.57 | 61.36 | 87.91 | 6.11 | 12.56 | 11.86 | 58.22 | 39.07 | 7.01 | 14.56 | 11.04 | 47.64 | 35.00 | 8.02 | 16.56 | 17.01 | 86.50 | 97.68 | 8.24 | 18.56 | 14.29 | 64.89 | 108.26 | 8.51 |
| 10.58 | 14.44 | 61.03 | 84.65 | 6.13 | 12.58 | 11.72 | 57.00 | 37.44 | 7.01 | 14.58 | 11.15 | 48.53 | 36.63 | 8.02 | 16.58 | 16.95 | 88.83 | 103.37 | 8.23 | 18.58 | 13.78 | 63.78 | 100.93 | 8.51 |
| 10.60 | 13.75 | 60.91 | 82.21 | 6.13 | 12.60 | 11.69 | 55.56 | 36.63 | 7.02 | 14.60 | 11.23 | 49.09 | 37.44 | 8.03 | 16.60 | 17.25 | 82.94 | 115.59 | 8.24 | 18.60 | 13.08 | 64.67 | 95.23 | 8.51 |
| 10.62 | 12.99 | 60.57 | 78.95 | 6.14 | 12.62 | 11.70 | 55.22 | 35.81 | 7.03 | 14.62 | 11.26 | 48.31 | 38.25 | 8.03 | 16.62 | 17.53 | 81.49 | 124.54 | 8.24 | 18.62 | 12.32 | 71.78 | 91.17 | 8.52 |
| 10.64 | 12.27 | 60.13 | 75.70 | 6.15 | 12.64 | 11.82 | 54.11 | 35.81 | 7.04 | 14.64 | 11.31 | 47.42 | 39.07 | 8.04 | 16.64 | 17.67 | 82.26 | 134.31 | 8.25 | 18.64 | 11.57 | 87.22 | 82.21 | 8.52 |
| 10.66 | 11.61 | 60.12 | 74.07 | 6.16 | 12.66 | 12.09 | 53.34 | 37.44 | 7.05 | 14.66 | 11.40 | 47.75 | 40.70 | 8.03 | 16.66 | 17.64 | 84.26 | 142.45 | 8.25 | 18.66 | 11.25 | 87.78 | 81.40 | 8.52 |
| 10.68 | 11.10 | 59.56 | 73.26 | 6.17 | 12.68 | 12.42 | 52.78 | 39.07 | 7.06 | 14.68 | 11.50 | 47.87 | 42.33 | 8.04 | 16.68 | 17.97 | 78.48 | 156.29 | 8.25 | 18.68 | 10.95 | 86.45 | 81.40 | 8.53 |
| 10.70 | 10.89 | 58.22 | 75.70 | 6.18 | 12.70 | 12.75 | 53.34 | 42.33 | 7.08 | 14.70 | 11.61 | 47.87 | 43.95 | 8.04 | 16.70 | 17.80 | 75.92 | 157.91 | 8.26 | 18.70 | 10.79 | 85.33 | 82.21 | 8.53 |
| 10.72 | 10.95 | 56.33 | 79.77 | 6.18 | 12.72 | 12.80 | 53.11 | 40.70 | 7.09 | 14.72 | 11.85 | 48.31 | 46.39 | 8.04 | 16.72 | 17.68 | 82.25 | 166.87 | 8.26 | 18.72 | 10.63 | 82.78 | 83.03 | 8.53 |
| 10.74 | 11.35 | 52.33 | 84.65 | 6.19 | 12.74 | 12.50 | 50.45 | 36.63 | 7.09 | 14.74 | 12.10 | 49.88 | 49.65 | 8.04 | 16.74 | 17.45 | 93.47 | 171.75 | 8.27 | 18.74 | 10.54 | 80.88 | 83.84 | 8.54 |
| 10.76 | 12.04 | 50.10 | 91.17 | 6.20 | 12.76 | 11.88 | 48.78 | 30.11 | 7.11 | 14.76 | 12.47 | 50.42 | 53.72 | 8.04 | 16.76 | 17.71 | 86.58 | 178.27 | 8.27 | 18.76 | 10.47 | 74.44 | 84.65 | 8.54 |
| 10.78 | 13.28 | 49.32 | 94.42 | 6.21 | 12.78 | 11.39 | 49.12 | 26.05 | 7.11 | 14.78 | 12.96 | 50.20 | 58.61 | 8.05 | 16.78 | 17.86 | 84.69 | 196.99 | 8.27 | 18.78 | 10.42 | 66.32 | 86.28 | 8.54 |
| 10.80 | 14.42 | 49.54 | 86.28 | 6.23 | 12.80 | 11.10 | 49.56 | 23.61 | 7.13 | 14.80 | 13.51 | 51.75 | 65.93 | 8.05 | 16.80 | 17.76 | 83.80 | 197.80 | 8.28 | 18.80 | 10.36 | 63.87 | 88.73 | 8.55 |
| 10.82 | 15.17 | 49.53 | 32.56 | 6.23 | 12.82 | 10.96 | 50.45 | 22.79 | 7.14 | 14.82 | 14.10 | 52.31 | 71.63 | 8.05 | 16.82 | 17.85 | 79.57 | 208.38 | 8.28 | 18.82 | 10.42 | 61.32 | 90.35 | 8.55 |
| 10.84 | 15.67 | 51.42 | 26.05 | 6.24 | 12.84 | 10.95 | 51.01 | 21.97 | 7.15 | 14.84 | 14.59 | 52.42 | 77.33 | 8.05 | 16.84 | 17.63 | 77.68 | 215.71 | 8.29 | 18.84 | 10.55 | 59.4 | | |

FERRARA DEPARTMENT

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Headquarters: Via Bariola, 101-103 - 20020 Lainate (MI)

Tel.: +39 02 9375 0000 - Fax: +39 02 9375 0099

www.socotec.it**COMMITTENTE:** ENGEO S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma**CANTIERE:** Via Bach - Campo Sportivo- Busseto (PR)

PROVA N°: CPTU 1 PROF. FALDA (m da p.c.): 1.20

PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

DATA: 02/03/22 PREFORO (m da p.c.):

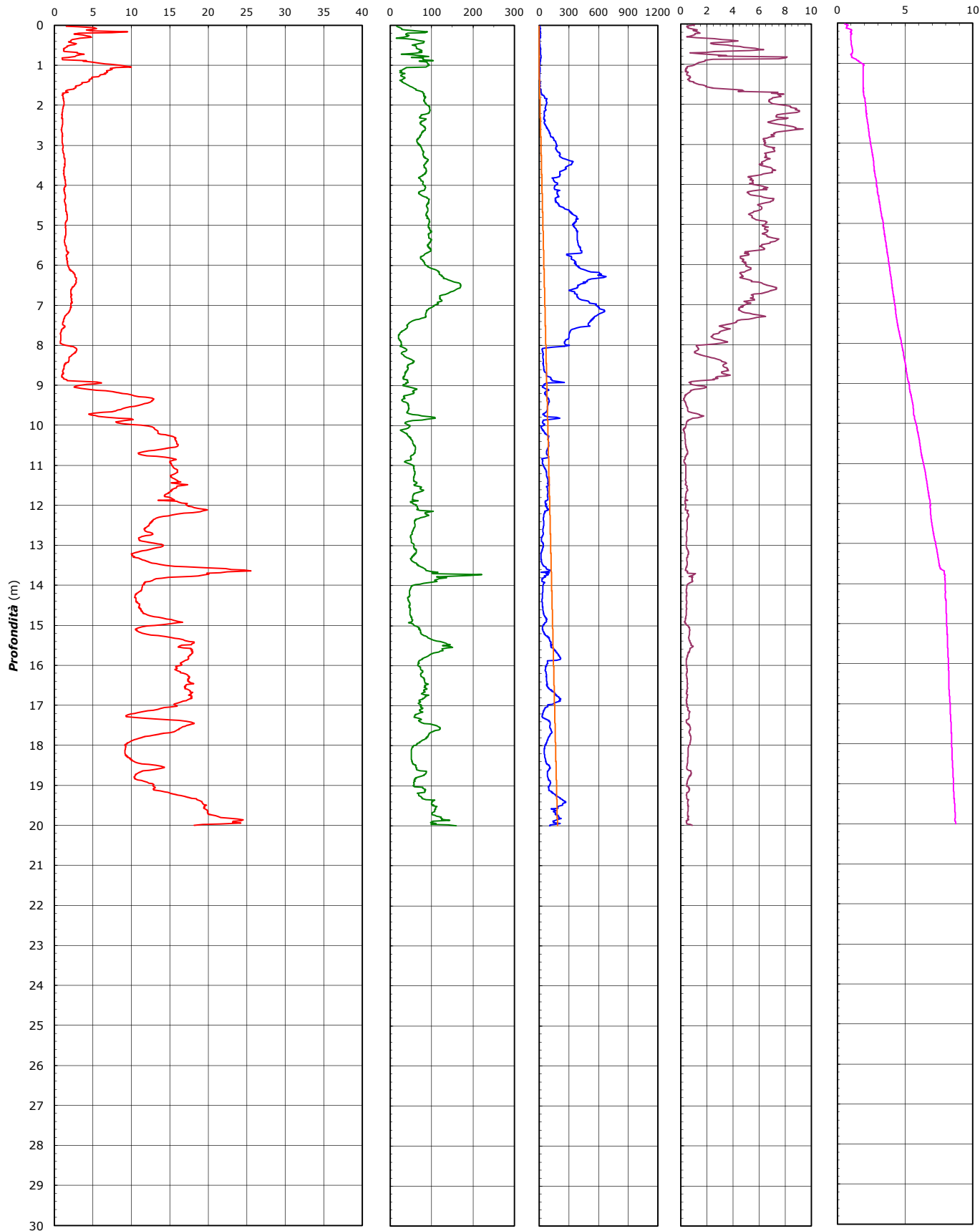
LAT. (WGS 84): 44.978983°

LONG. (WGS 84): 10.046399°

COMMESSA: 23711FE/22

C. SITO N°: SF220198 del 07/03/202 OPERATORE: L. Formisano

Dissipazione ■

 q_c (MPa) f_s (kPa) U (kPa) f_s/q_c (%) I (°)

Il Responsabile Prove in Sito:
dott. Massimo Romagnoli

FERRARA DEPARTMENT

Via Annibale Zucchini, 69 – 44122 Ferrara (FE)

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COMMITTENTE: ENGE0 S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma

CANTIERE: Via Bach - Campo Sportivo- Busseto (PR)

PROVA N°: CPTU 1 PROF. FALDA (m da p.c.): 1.20 PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

DATA: 02/03/22 PREFORO (m da p.c.): LAT. (WGS 84): 44.978983° LONG. (WGS 84): 10.046399°

COMMESSA: 23711FE/22 C. SITO N°: SF220198 del 07/03/202 OPERATORE: L. Formisano

UBICAZIONE

Località: Via Bach - Campo Sportivo- Busseto (PR)



NOTE: Utilizzato 1 anello allargatore da inizio prova

FERRARA DEPARTMENT

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www.socotec.it**COMMITTENTE: ENGELO S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma****CANTIERE: Allevamento Viazzini - Busseto (PR)**

PROVA N°: CPTU 2 PROF. FALDA (m da p.c.): 5.40

PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

DATA: 01/03/22

PREFORO (m da p.c.):

LAT. (WGS 84): 44.968906°

LONG. (WGS 84): 10.046199°

COMMESSA: 23711FE/22

C. SITO N°: SF220193del 07/03/202:OPERATORE: L. Formisano

| prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi |
|---------|--------|--------|-------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|
| 0.02 | 1.83 | 14.50 | 35.95 | 0.88 | 2.02 | 1.93 | 81.17 | 326.55 | 1.38 | 4.02 | 2.05 | 105.52 | 688.78 | 2.23 | 6.02 | 3.00 | 109.29 | 635.87 | 3.16 | 8.02 | 2.11 | 71.24 | 304.57 | 3.97 |
| 0.04 | 2.11 | 21.72 | 39.21 | 0.89 | 2.04 | 1.93 | 77.94 | 323.29 | 1.39 | 4.04 | 2.05 | 109.30 | 692.03 | 2.24 | 6.04 | 2.97 | 113.74 | 641.57 | 3.16 | 8.04 | 2.22 | 71.35 | 322.48 | 3.97 |
| 0.06 | 1.81 | 19.39 | 38.39 | 0.80 | 2.06 | 1.90 | 77.50 | 316.78 | 1.40 | 4.06 | 2.02 | 112.41 | 697.73 | 2.25 | 6.06 | 2.96 | 117.74 | 650.52 | 3.16 | 8.06 | 2.79 | 70.82 | 316.78 | 4.00 |
| 0.08 | 1.29 | 19.17 | 32.69 | 0.76 | 2.08 | 1.84 | 79.39 | 337.95 | 1.40 | 4.08 | 2.08 | 112.29 | 698.55 | 2.27 | 6.08 | 2.96 | 119.74 | 654.59 | 3.17 | 8.08 | 2.85 | 78.05 | 284.22 | 4.01 |
| 0.10 | 1.18 | 25.50 | 31.88 | 0.82 | 2.10 | 1.77 | 79.16 | 341.20 | 1.42 | 4.10 | 2.13 | 111.74 | 697.73 | 2.26 | 6.10 | 3.01 | 119.96 | 662.73 | 3.18 | 8.10 | 2.68 | 82.93 | 268.75 | 4.02 |
| 0.12 | 1.19 | 23.61 | 32.69 | 0.77 | 2.12 | 1.76 | 80.61 | 352.60 | 1.42 | 4.12 | 2.19 | 111.96 | 698.55 | 2.28 | 6.12 | 3.02 | 120.84 | 671.69 | 3.19 | 8.12 | 2.79 | 91.60 | 275.27 | 4.03 |
| 0.14 | 1.11 | 22.28 | 34.33 | 0.85 | 2.14 | 1.77 | 83.05 | 368.07 | 1.42 | 4.14 | 2.22 | 113.07 | 700.99 | 2.29 | 6.14 | 3.02 | 119.07 | 702.62 | 3.21 | 8.14 | 3.04 | 98.16 | 272.83 | 4.05 |
| 0.16 | 1.13 | 21.28 | 32.69 | 0.79 | 2.16 | 1.80 | 83.83 | 384.35 | 1.43 | 4.16 | 2.27 | 112.96 | 703.43 | 2.30 | 6.16 | 3.03 | 117.06 | 713.20 | 3.21 | 8.16 | 3.35 | 103.27 | 262.25 | 4.05 |
| 0.18 | 1.08 | 19.95 | 31.88 | 0.85 | 2.18 | 1.85 | 81.38 | 392.49 | 1.43 | 4.18 | 2.27 | 112.62 | 708.31 | 2.30 | 6.18 | 3.07 | 115.51 | 744.95 | 3.21 | 8.18 | 3.71 | 105.60 | 224.80 | 4.06 |
| 0.20 | 1.00 | 17.06 | 33.51 | 0.59 | 2.20 | 1.90 | 77.93 | 396.55 | 1.44 | 4.20 | 2.30 | 111.62 | 706.69 | 2.32 | 6.20 | 3.03 | 118.39 | 763.67 | 3.23 | 8.20 | 3.66 | 104.83 | 184.10 | 4.07 |
| 0.22 | 1.00 | 15.73 | 31.07 | 0.87 | 2.22 | 1.93 | 74.60 | 398.18 | 1.46 | 4.22 | 2.30 | 110.62 | 704.25 | 2.33 | 6.22 | 3.05 | 117.73 | 770.99 | 3.23 | 8.22 | 3.47 | 95.27 | 151.54 | 4.07 |
| 0.24 | 1.00 | 15.84 | 30.25 | 0.82 | 2.24 | 1.93 | 72.82 | 398.18 | 1.47 | 4.24 | 2.31 | 110.61 | 710.76 | 2.33 | 6.24 | 3.06 | 116.28 | 788.90 | 3.25 | 8.24 | 3.31 | 86.38 | 136.89 | 4.09 |
| 0.26 | 1.01 | 19.07 | 31.88 | 0.80 | 2.26 | 1.91 | 72.15 | 407.95 | 1.46 | 4.26 | 2.31 | 111.94 | 691.22 | 2.34 | 6.26 | 3.06 | 115.50 | 798.67 | 3.25 | 8.26 | 3.09 | 84.71 | 127.93 | 4.09 |
| 0.28 | 1.01 | 19.85 | 31.07 | 0.83 | 2.28 | 1.93 | 72.70 | 393.30 | 1.48 | 4.28 | 2.29 | 113.05 | 652.97 | 2.34 | 6.28 | 3.13 | 109.94 | 812.51 | 3.25 | 8.28 | 2.68 | 83.71 | 124.68 | 4.10 |
| 0.30 | 1.02 | 22.40 | 30.25 | 0.80 | 2.30 | 1.85 | 72.59 | 405.51 | 1.48 | 4.30 | 2.26 | 115.60 | 648.89 | 2.37 | 6.30 | 3.22 | 104.94 | 831.23 | 3.27 | 8.30 | 2.30 | 87.05 | 121.42 | 4.10 |
| 0.32 | 1.01 | 27.30 | 28.63 | 0.83 | 2.32 | 1.81 | 75.59 | 414.46 | 1.49 | 4.32 | 2.26 | 117.82 | 643.19 | 2.37 | 6.32 | 3.27 | 101.83 | 855.65 | 3.28 | 8.32 | 1.95 | 81.05 | 116.54 | 4.12 |
| 0.34 | 1.04 | 32.19 | 28.63 | 0.77 | 2.34 | 1.80 | 77.81 | 426.67 | 1.50 | 4.34 | 2.23 | 119.15 | 650.52 | 2.39 | 6.34 | 3.30 | 96.27 | 862.97 | 3.28 | 8.34 | 1.79 | 85.49 | 117.35 | 4.13 |
| 0.36 | 1.01 | 37.63 | 27.00 | 0.85 | 2.36 | 1.84 | 75.70 | 410.39 | 1.51 | 4.36 | 2.23 | 118.71 | 652.15 | 2.38 | 6.36 | 3.40 | 90.83 | 863.79 | 3.29 | 8.36 | 1.57 | 88.93 | 122.23 | 4.14 |
| 0.38 | 1.08 | 41.97 | 27.00 | 0.72 | 2.38 | 1.84 | 75.25 | 446.21 | 1.51 | 4.38 | 2.19 | 119.37 | 661.11 | 2.39 | 6.38 | 3.30 | 90.16 | 881.70 | 3.30 | 8.38 | 1.46 | 85.71 | 132.01 | 4.16 |
| 0.40 | 1.17 | 44.42 | 26.19 | 0.78 | 2.40 | 1.83 | 76.36 | 459.23 | 1.53 | 4.40 | 2.22 | 117.48 | 653.78 | 2.41 | 6.40 | 3.27 | 88.83 | 882.51 | 3.30 | 8.40 | 1.38 | 79.05 | 147.47 | 4.17 |
| 0.42 | 1.27 | 47.98 | 25.37 | 0.80 | 2.42 | 1.89 | 74.69 | 459.23 | 1.53 | 4.42 | 2.22 | 114.48 | 651.33 | 2.42 | 6.42 | 3.24 | 88.38 | 881.70 | 3.30 | 8.42 | 1.36 | 71.93 | 182.47 | 4.18 |
| 0.44 | 1.32 | 53.10 | 23.74 | 0.86 | 2.44 | 1.90 | 75.80 | 468.19 | 1.53 | 4.44 | 2.22 | 113.69 | 649.71 | 2.43 | 6.44 | 3.17 | 88.94 | 880.89 | 3.30 | 8.44 | 1.44 | 60.15 | 224.80 | 4.20 |
| 0.46 | 1.35 | 58.44 | 23.74 | 0.75 | 2.46 | 1.94 | 75.69 | 475.51 | 1.55 | 4.46 | 2.20 | 115.02 | 648.08 | 2.43 | 6.46 | 3.06 | 88.49 | 874.37 | 3.31 | 8.46 | 1.61 | 52.38 | 258.99 | 4.20 |
| 0.48 | 1.37 | 60.88 | 22.93 | 0.87 | 2.48 | 1.94 | 76.91 | 481.21 | 1.56 | 4.48 | 2.20 | 116.80 | 652.97 | 2.44 | 6.48 | 3.06 | 87.60 | 895.53 | 3.31 | 8.48 | 1.68 | 51.49 | 275.27 | 4.22 |
| 0.50 | 1.37 | 64.34 | 24.55 | 0.86 | 2.50 | 1.93 | 78.24 | 486.91 | 1.57 | 4.50 | 2.17 | 119.91 | 661.11 | 2.45 | 6.50 | 3.04 | 88.94 | 865.42 | 3.31 | 8.50 | 1.74 | 48.04 | 270.39 | 4.22 |
| 0.52 | 1.36 | 67.45 | 25.37 | 0.84 | 2.52 | 1.97 | 79.35 | 487.72 | 1.58 | 4.52 | 2.25 | 119.69 | 661.11 | 2.45 | 6.52 | 3.04 | 89.60 | 708.31 | 3.31 | 8.52 | 1.55 | 45.93 | 260.61 | 4.24 |
| 0.54 | 1.33 | 70.67 | 25.37 | 0.84 | 2.54 | 1.93 | 84.79 | 496.67 | 1.60 | 4.54 | 2.28 | 121.24 | 664.36 | 2.48 | 6.54 | 3.22 | 89.27 | 566.68 | 3.31 | 8.54 | 1.45 | 44.81 | 264.69 | 4.25 |
| 0.56 | 1.28 | 74.68 | 24.55 | 0.81 | 2.56 | 1.92 | 89.57 | 510.51 | 1.61 | 4.56 | 2.28 | 122.90 | 658.66 | 2.48 | 6.56 | 3.58 | 93.93 | 645.64 | 3.31 | 8.56 | 1.37 | 44.37 | 276.08 | 4.26 |
| 0.58 | 1.22 | 76.24 | 22.93 | 0.82 | 2.58 | 1.91 | 92.23 | 509.70 | 1.61 | 4.58 | 2.33 | 122.12 | 649.71 | 2.49 | 6.58 | 3.92 | 99.93 | 661.92 | 3.31 | 8.58 | 1.36 | 43.37 | 326.55 | 4.28 |
| 0.60 | 1.19 | 78.13 | 22.11 | 0.89 | 2.60 | 1.96 | 92.90 | 508.07 | 1.60 | 4.60 | 2.32 | 121.23 | 644.01 | 2.50 | 6.60 | 4.27 | 103.93 | 639.94 | 3.31 | 8.60 | 1.42 | 40.15 | 340.39 | 4.29 |
| 0.62 | 1.16 | 80.02 | 22.11 | 0.84 | 2.62 | 1.91 | 94.67 | 504.00 | 1.62 | 4.62 | 2.32 | 120.45 | 636.69 | 2.50 | 6.62 | 4.60 | 107.38 | 227.24 | 3.32 | 8.62 | 1.46 | 39.26 | 348.53 | 4.31 |
| 0.64 | 1.13 | 82.47 | 21.30 | 0.87 | 2.64 | 1.85 | 97.45 | 508.89 | 1.62 | 4.64 | 2.29 | 119.00 | 628.55 | 2.52 | 6.64 | 5.08 | 110.27 | 196.31 | 3.32 | 8.64 | 2.22 | 40.71 | 427.49 | 4.34 |
| 0.66 | 1.11 | 83.37 | 23.74 | 0.88 | 2.66 | 1.80 | 96.67 | 517.84 | 1.64 | 4.66 | 2.34 | 116.55 | 640.75 | 2.52 | 6.66 | 5.63 | 112.27 | 133.63 | 3.33 | 8.66 | 4.41 | 44.05 | 496.67 | 4.40 |
| 0.68 | 1.11 | 81.37 | 23.74 | 0.87 | 2.68 | 1.75 | 94.11 | 516.21 | 1.65 | 4.68 | 2.37 | 113.22 | 648.08 | 2.55 | 6.68 | 6.20 | 114.71 | 82.35 | 3.33 | 8.68 | 6.92 | 38.93 | 154.79 | 4.42 |
| 0.70 | 1.10 | 79.93 | 26.19 | 0.88 | 2.70 | 1.75 | 92.33 | 518.65 | 1.65 | 4.70 | 2.35 | 111.88 | 635.05 | 2.55 | 6.70 | 6.81 | 114.60 | 62.00 | 3.33 | 8.70 | 7.89 | 40.60 | 106.77 | 4.41 |
| 0.72 | 1.12 | 79.04 | 27.00 | 0.87 | 2.72 | 1.75 | 92.33 | 519.47 | 1.66 | 4.72 | 2.34 | 110.10 | 650.52 | 2.56 | 6.72 | 7.23 | 113.60 | 46.53 | 3.34 | 8.72 | 7.89 | 41.60 | 99.45 | 4.42 |
| 0.74 | 1.12 | 79.38 | 31.07 | 0.89 | 2.74 | 1.72 | 92.21 | 527.61 | 1.67 | 4.74 | 2.29 | 109.32 | 631.80 | 2.57 | 6.74 | 7.49 | 115.27 | 37.58 | 3.34 | 8.74 | 7.74 | 40.16 | 94.56 | 4.43 |
| 0.76 | 1.12 | 80.05 | 32.69 | 0.90 | 2.76 | 1.73 | 91.65 | 534.93 | 1.68 | 4.76 | 2.28 | 106.87 | 592.73 | 2.57 | 6.76 | 7.71 | 116.04 | 32.69 | 3.35 | 8.76 | 7.52 | 40.16 | 93.75 | 4.44 |
| 0.78 | 1.12 | 78.94 | 32.69 | 0.89 | 2.78 | 1.81 | 85.98 | 539.01 | 1.68 | 4.78 | 2.24 | 109.54 | 547.15 | 2.58 | 6.78 | 8.01 | 116.60 | 31.07 | 3.36 | 8.78 | 7.30 | 42.61 | 95.37 | 4.45 |
| 0.80 | 1.15 | 77.83 | 32.69 | 0.89 | 2.80 | 1.84 | 80.87 | 543.07 | 1.70 | 4.80 | 2.19 | 115.32 | 533.31 | 2.59 | 6.80 | 8.12 | 116.82 | 27.00 | 3.36 | 8.80 | 7.27 | 51.83 | 99.45 | 4.47 |
| 0.82 | 1.15 | 77.83 | 31.88 | 0.90 | 2.82 | 1.87 | 78.20 | 548.77 | 1.69 | 4.82 | 2.16 | 121.65 | 530.05 | 2.60 | 6.82 | 7.58 | 121.04 | 23.74 | 3.38 | 8.82 | 7.52 | 57.28 | 105.95 | 4.47 |
| 0.84 | 1.17 | 78.39 | 31.88 | 0.97 | 2.84 | 1.90 | 74.64 | 550.40 | 1.71 | 4.84 | 2.14 | 125.87 | 527.61 | 2.60 | 6.84 | 6.79 | 131.15 | 22.11 | 3.38 | 8.84 | 7.65 | 60.28 | 95.37 | 4.48 |
| 0.86 | 1.22 | 78.84 | 31.88 | 0.94 | 2.86 | 1.92 | 71.97 | 563.43 | 1.72 | 4.86 | 2.08 | 128.42 | 524.35 | 2.61 | 6.86 | 5.99 | 147.24 | | | | | | | |

FERRARA DEPARTMENT

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www.socotec.it**COMMITTENTE: ENGELO S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma****CANTIERE: Allevamento Viazzini - Busseto (PR)**

PROVA N°: CPTU 2 PROF. FALDA (m da p.c.): 5.40

PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

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PREFORO (m da p.c.):

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COMMESSA: 23711FE/22

C. SITO N°: SF220193del 07/03/202: OPERATORE: L. Formisano

| prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi |
|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|
| 10.02 | 7.96 | 83.79 | 105.14 | 4.95 | 12.02 | 13.09 | 103.01 | 114.09 | 5.75 | 14.02 | 19.70 | 134.88 | 148.27 | 6.55 | 16.02 | 21.03 | 103.65 | 140.15 | 7.09 | 18.02 | 13.39 | 62.53 | 117.35 | 7.92 |
| 10.04 | 8.07 | 80.68 | 108.40 | 4.96 | 12.04 | 13.18 | 103.68 | 116.54 | 5.76 | 14.04 | 19.08 | 136.00 | 127.11 | 6.56 | 16.04 | 19.97 | 93.54 | 140.96 | 7.11 | 18.04 | 13.29 | 56.86 | 118.98 | 7.93 |
| 10.06 | 10.11 | 75.80 | 110.84 | 4.99 | 12.06 | 13.12 | 106.78 | 118.17 | 5.77 | 14.06 | 18.47 | 137.12 | 105.95 | 6.57 | 16.06 | 18.40 | 73.44 | 133.63 | 7.11 | 18.06 | 13.33 | 53.75 | 123.05 | 7.92 |
| 10.08 | 11.55 | 75.80 | 125.49 | 5.00 | 12.08 | 12.82 | 110.80 | 79.91 | 5.79 | 14.08 | 17.85 | 138.25 | 84.79 | 6.57 | 16.08 | 17.03 | 64.33 | 127.12 | 7.12 | 18.08 | 13.23 | 55.75 | 121.42 | 7.94 |
| 10.10 | 13.12 | 76.47 | 128.75 | 5.01 | 12.10 | 12.73 | 114.92 | 78.28 | 5.79 | 14.10 | 17.08 | 155.14 | 73.39 | 6.58 | 16.10 | 14.20 | 61.27 | 84.79 | 7.17 | 18.10 | 13.22 | 52.53 | 119.79 | 7.96 |
| 10.12 | 14.19 | 82.02 | 92.93 | 5.02 | 12.12 | 12.71 | 118.25 | 77.47 | 5.81 | 14.12 | 16.11 | 176.81 | 66.07 | 6.60 | 16.12 | 14.64 | 60.27 | 90.49 | 7.16 | 18.12 | 13.13 | 49.14 | 101.89 | 7.95 |
| 10.14 | 15.09 | 87.03 | 98.63 | 5.02 | 12.14 | 12.77 | 121.03 | 78.28 | 5.81 | 14.14 | 15.23 | 195.14 | 60.37 | 6.60 | 16.14 | 15.09 | 59.28 | 96.19 | 7.15 | 18.14 | 12.73 | 50.59 | 92.93 | 7.97 |
| 10.16 | 15.90 | 89.58 | 113.28 | 5.04 | 12.16 | 12.81 | 124.25 | 79.91 | 5.82 | 14.16 | 14.74 | 200.47 | 59.56 | 6.61 | 16.16 | 16.12 | 69.95 | 100.26 | 7.15 | 18.16 | 12.73 | 48.82 | 92.12 | 7.98 |
| 10.18 | 16.52 | 90.36 | 123.87 | 5.04 | 12.18 | 12.77 | 125.58 | 79.91 | 5.82 | 14.18 | 14.36 | 196.35 | 58.75 | 6.63 | 16.18 | 15.07 | 73.06 | 93.75 | 7.17 | 18.18 | 12.81 | 48.93 | 92.93 | 7.98 |
| 10.20 | 17.08 | 78.47 | 135.26 | 5.05 | 12.20 | 12.53 | 126.58 | 78.28 | 5.82 | 14.20 | 14.02 | 190.01 | 58.75 | 6.63 | 16.20 | 14.02 | 76.17 | 87.23 | 7.19 | 18.20 | 12.97 | 47.15 | 95.37 | 8.00 |
| 10.22 | 17.01 | 69.25 | 140.15 | 5.07 | 12.22 | 12.37 | 125.13 | 78.28 | 5.83 | 14.22 | 13.81 | 184.67 | 59.56 | 6.64 | 16.22 | 12.97 | 79.28 | 80.72 | 7.21 | 18.22 | 13.08 | 45.49 | 97.00 | 8.00 |
| 10.24 | 16.90 | 64.14 | 144.21 | 5.08 | 12.24 | 12.22 | 123.69 | 78.28 | 5.85 | 14.24 | 13.75 | 175.55 | 60.37 | 6.65 | 16.24 | 12.45 | 74.61 | 79.09 | 7.21 | 18.24 | 13.35 | 46.49 | 101.89 | 8.00 |
| 10.26 | 16.85 | 66.25 | 149.91 | 5.09 | 12.26 | 12.21 | 123.13 | 79.91 | 5.85 | 14.26 | 14.04 | 167.21 | 64.44 | 6.66 | 16.26 | 12.03 | 66.93 | 79.09 | 7.22 | 18.26 | 13.35 | 44.04 | 102.70 | 8.02 |
| 10.28 | 16.84 | 73.69 | 158.05 | 5.10 | 12.28 | 12.25 | 122.57 | 80.72 | 5.86 | 14.28 | 14.61 | 161.42 | 70.95 | 6.68 | 16.28 | 11.91 | 63.71 | 81.53 | 7.23 | 18.28 | 13.40 | 40.37 | 105.95 | 8.01 |
| 10.30 | 16.67 | 84.03 | 163.75 | 5.10 | 12.30 | 12.39 | 122.23 | 83.17 | 5.86 | 14.30 | 15.14 | 156.98 | 76.65 | 6.67 | 16.30 | 12.00 | 56.81 | 86.42 | 7.25 | 18.30 | 13.16 | 41.59 | 106.77 | 8.03 |
| 10.32 | 16.52 | 90.58 | 171.07 | 5.11 | 12.32 | 12.51 | 121.90 | 84.79 | 5.87 | 14.32 | 15.79 | 153.86 | 83.17 | 6.69 | 16.32 | 12.11 | 56.58 | 92.12 | 7.26 | 18.32 | 12.99 | 42.71 | 107.59 | 8.03 |
| 10.34 | 16.30 | 95.25 | 158.05 | 5.12 | 12.34 | 12.70 | 121.89 | 88.05 | 5.88 | 14.34 | 16.32 | 151.53 | 89.67 | 6.70 | 16.34 | 12.11 | 58.69 | 93.75 | 7.27 | 18.34 | 12.84 | 43.04 | 106.77 | 8.02 |
| 10.36 | 15.90 | 94.91 | 145.03 | 5.12 | 12.36 | 12.68 | 121.00 | 88.86 | 5.88 | 14.36 | 16.82 | 151.08 | 96.19 | 6.70 | 16.36 | 12.38 | 55.69 | 97.81 | 7.28 | 18.36 | 12.79 | 41.71 | 107.59 | 8.04 |
| 10.38 | 15.41 | 92.80 | 132.82 | 5.13 | 12.38 | 12.49 | 120.78 | 88.05 | 5.88 | 14.38 | 17.44 | 151.53 | 104.33 | 6.71 | 16.38 | 12.60 | 54.13 | 101.07 | 7.27 | 18.38 | 12.67 | 41.71 | 107.59 | 8.04 |
| 10.40 | 14.98 | 91.58 | 126.31 | 5.15 | 12.40 | 12.49 | 123.33 | 89.67 | 5.90 | 14.40 | 17.86 | 153.97 | 113.28 | 6.73 | 16.40 | 12.74 | 53.46 | 104.33 | 7.28 | 18.40 | 12.56 | 41.71 | 106.77 | 8.06 |
| 10.42 | 14.64 | 91.46 | 122.23 | 5.15 | 12.42 | 12.48 | 123.89 | 89.68 | 5.89 | 14.42 | 17.99 | 160.08 | 116.54 | 6.73 | 16.42 | 12.87 | 53.46 | 107.59 | 7.29 | 18.42 | 12.65 | 43.59 | 109.21 | 8.06 |
| 10.44 | 14.26 | 91.13 | 119.79 | 5.16 | 12.44 | 12.72 | 125.33 | 93.75 | 5.90 | 14.44 | 17.79 | 167.42 | 118.98 | 6.75 | 16.44 | 12.82 | 55.79 | 109.21 | 7.30 | 18.44 | 12.99 | 42.37 | 115.73 | 8.06 |
| 10.46 | 13.77 | 89.57 | 117.35 | 5.17 | 12.46 | 12.95 | 126.77 | 97.81 | 5.92 | 14.46 | 17.40 | 174.08 | 118.98 | 6.76 | 16.46 | 13.07 | 57.79 | 115.73 | 7.30 | 18.46 | 13.41 | 44.59 | 126.31 | 8.08 |
| 10.48 | 13.21 | 89.01 | 114.09 | 5.17 | 12.48 | 13.05 | 126.44 | 99.45 | 5.92 | 14.48 | 16.96 | 179.19 | 118.17 | 6.76 | 16.48 | 13.31 | 56.23 | 112.47 | 7.32 | 18.48 | 13.51 | 44.48 | 110.03 | 8.09 |
| 10.50 | 12.80 | 86.89 | 112.47 | 5.18 | 12.50 | 12.87 | 126.88 | 98.63 | 5.93 | 14.50 | 16.28 | 182.64 | 114.91 | 6.78 | 16.50 | 13.07 | 58.12 | 109.21 | 7.33 | 18.50 | 13.62 | 45.48 | 111.65 | 8.08 |
| 10.52 | 12.70 | 83.44 | 114.91 | 5.18 | 12.52 | 12.60 | 126.88 | 97.00 | 5.93 | 14.52 | 15.40 | 187.08 | 110.03 | 6.78 | 16.52 | 13.15 | 59.57 | 111.65 | 7.33 | 18.52 | 13.40 | 41.15 | 108.40 | 8.10 |
| 10.54 | 12.91 | 81.33 | 118.98 | 5.18 | 12.54 | 12.46 | 127.10 | 97.81 | 5.94 | 14.54 | 14.61 | 188.86 | 105.95 | 6.79 | 16.54 | 13.16 | 58.79 | 112.47 | 7.33 | 18.54 | 13.16 | 40.37 | 110.03 | 8.10 |
| 10.56 | 13.11 | 77.99 | 119.79 | 5.20 | 12.56 | 12.32 | 127.32 | 98.63 | 5.95 | 14.56 | 13.85 | 189.07 | 101.89 | 6.80 | 16.56 | 13.24 | 57.79 | 114.09 | 7.34 | 18.56 | 13.14 | 39.93 | 110.84 | 8.10 |
| 10.58 | 13.06 | 75.32 | 118.17 | 5.21 | 12.58 | 12.65 | 127.77 | 102.70 | 5.96 | 14.58 | 13.32 | 187.18 | 99.45 | 6.81 | 16.58 | 13.34 | 57.79 | 115.73 | 7.34 | 18.58 | 13.40 | 41.59 | 117.35 | 8.12 |
| 10.60 | 12.97 | 72.43 | 116.54 | 5.21 | 12.60 | 12.98 | 128.22 | 106.77 | 5.96 | 14.60 | 13.21 | 178.84 | 100.26 | 6.83 | 16.60 | 13.51 | 61.01 | 118.17 | 7.37 | 18.60 | 13.84 | 42.70 | 122.23 | 8.12 |
| 10.62 | 12.76 | 71.76 | 112.47 | 5.22 | 12.62 | 12.54 | 128.32 | 102.70 | 5.97 | 14.62 | 13.09 | 171.83 | 99.45 | 6.84 | 16.62 | 13.50 | 64.45 | 115.73 | 7.37 | 18.62 | 14.49 | 41.59 | 116.54 | 8.13 |
| 10.64 | 12.49 | 72.09 | 110.84 | 5.23 | 12.64 | 12.42 | 125.32 | 102.70 | 5.98 | 14.64 | 13.12 | 162.50 | 98.63 | 6.84 | 16.64 | 13.43 | 60.79 | 111.65 | 7.38 | 18.64 | 15.51 | 40.81 | 120.61 | 8.13 |
| 10.66 | 12.28 | 72.87 | 110.03 | 5.24 | 12.66 | 12.50 | 124.54 | 104.33 | 5.99 | 14.66 | 13.01 | 153.38 | 97.00 | 6.85 | 16.66 | 13.51 | 59.46 | 109.21 | 7.40 | 18.66 | 16.38 | 41.48 | 127.12 | 8.13 |
| 10.68 | 12.11 | 73.87 | 109.21 | 5.24 | 12.68 | 12.58 | 123.76 | 105.95 | 6.00 | 14.68 | 12.93 | 142.27 | 96.19 | 6.86 | 16.68 | 13.59 | 60.01 | 105.95 | 7.41 | 18.68 | 17.00 | 46.14 | 123.05 | 8.14 |
| 10.70 | 12.00 | 75.76 | 108.40 | 5.25 | 12.70 | 12.73 | 123.98 | 109.21 | 6.01 | 14.70 | 12.76 | 135.04 | 93.75 | 6.86 | 16.70 | 13.91 | 60.57 | 109.21 | 7.40 | 18.70 | 17.54 | 47.36 | 128.75 | 8.14 |
| 10.72 | 11.88 | 80.20 | 108.40 | 5.26 | 12.72 | 12.90 | 125.31 | 112.47 | 6.02 | 14.72 | 12.67 | 128.82 | 92.93 | 6.87 | 16.72 | 13.57 | 61.35 | 102.70 | 7.41 | 18.72 | 18.14 | 56.47 | 140.96 | 8.16 |
| 10.74 | 11.91 | 83.42 | 109.21 | 5.27 | 12.74 | 13.07 | 125.53 | 114.91 | 6.02 | 14.74 | 13.09 | 120.70 | 97.00 | 6.88 | 16.74 | 13.41 | 61.35 | 101.07 | 7.42 | 18.74 | 18.60 | 59.25 | 151.54 | 8.17 |
| 10.76 | 11.98 | 84.76 | 110.03 | 5.27 | 12.76 | 13.25 | 125.53 | 117.35 | 6.03 | 14.76 | 13.50 | 115.70 | 102.70 | 6.89 | 16.76 | 13.18 | 60.24 | 106.77 | 7.43 | 18.76 | 19.14 | 59.02 | 163.75 | 8.17 |
| 10.78 | 11.93 | 85.87 | 109.21 | 5.28 | 12.78 | 13.42 | 125.31 | 120.61 | 6.04 | 14.78 | 13.79 | 110.26 | 105.14 | 6.90 | 16.78 | 12.98 | 60.13 | 103.51 | 7.44 | 18.78 | 19.66 | 61.25 | 177.59 | 8.16 |
| 10.80 | 11.96 | 86.31 | 109.21 | 5.29 | 12.80 | 13.52 | 125.53 | 123.05 | 6.04 | 14.80 | 14.02 | 106.15 | 107.59 | 6.90 | 16.80 | 13.04 | 58.36 | 105.95 | 7.45 | 18.80 | 20.07 | 62.91 | 192.24 | 8.17 |
| 10.82 | 12.17 | 86.98 | 110.84 | 5.29 | 12.82 | 13.45 | 126.86 | 123.87 | 6.06 | 14.82 | 14.41 | 101.60 | 112.47 | 6.91 | 16.82 | 12.80 | 60.02 | 105.14 | 7.47 | 18.82 | 20.31 | 62.02 | 184.91 | 8.20 |
| 10.8. | | | | | | | | | | | | | | | | | | | | | | | | |

FERRARA DEPARTMENT

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www.socotec.it**COMMITTENTE:** ENGEO S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma**CANTIERE:** Allevamento Viazzini - Busseto (PR)

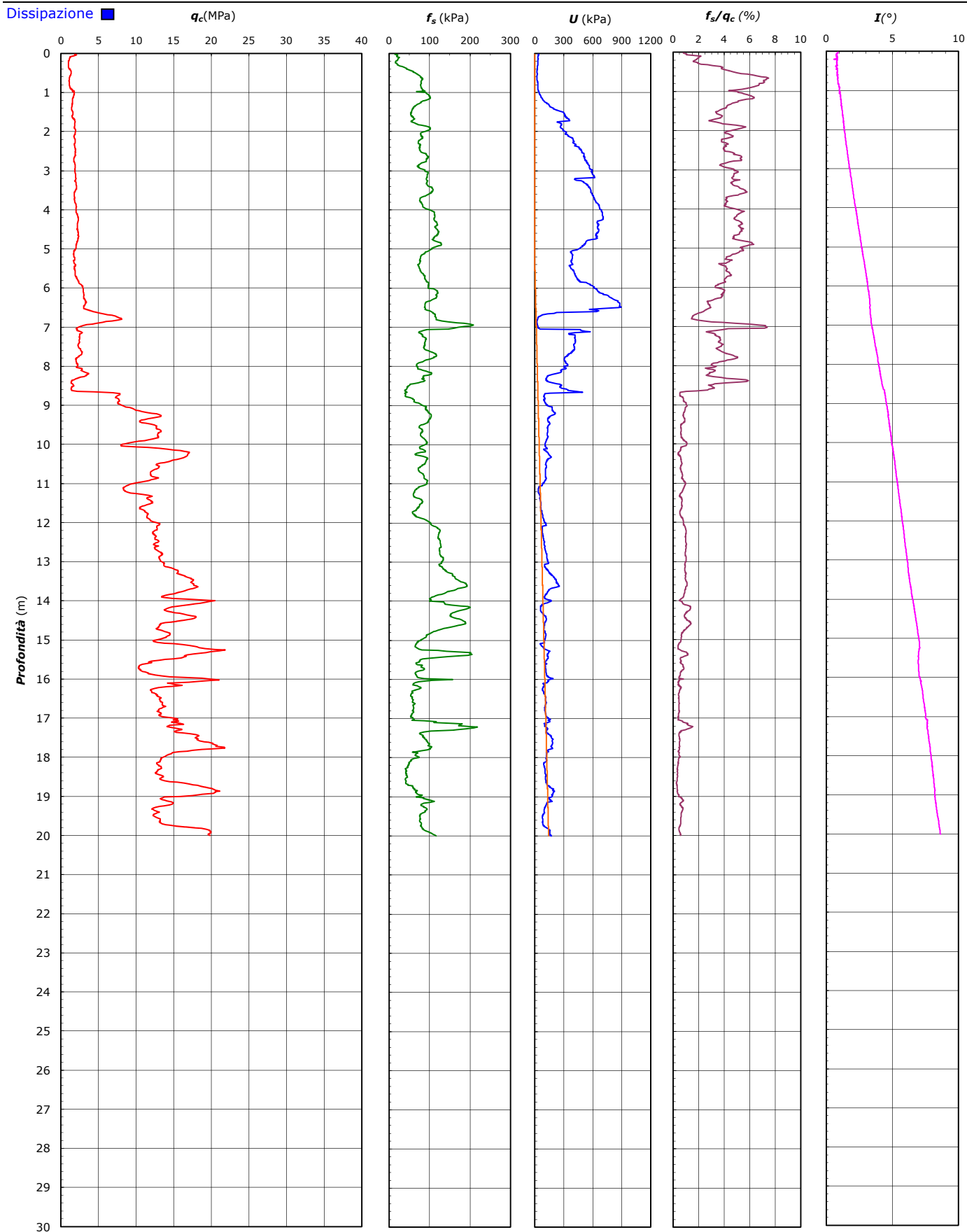
PROVA N°: CPTU 2 PROF. FALDA (m da p.c.): 5.40

PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

DATA: 01/03/22 PREFORO (m da p.c.):

LAT. (WGS 84): 44.968906° LONG. (WGS 84): 10.046199°

COMMESSA: 23711FE/22 C. SITO N°: SF220193del 07/03/2022 OPERATORE: L. Formisano

Il Responsabile Prove in Sito:
dott. Massimo Romagnoli

FERRARA DEPARTMENT

Via Annibale Zucchini, 69 – 44122 Ferrara (FE)

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SOCOTEC ITALIA Srl – P.Iva 01872430648

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www.socotec.it**COMMITTENTE:** EN GEO S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma**CANTIERE:** Allevamento Viazzini - Busseto (PR)

PROVA N°: CPTU 2

PROF. FALDA (m da p.c.): 5.40

PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

DATA: 01/03/22

PREFORO (m da p.c.):

LAT. (WGS 84): 44.968906°

LONG. (WGS 84): 10.046199°

COMMESSA: 23711FE/22

C. SITO N°: SF220193del 07/03/202: OPERATORE: L. Formisano

UBICAZIONE

Località: Allevamento Viazzini - Busseto (PR)



NOTE: Utilizzato 1 anello allargatore da inizio prova

FERRARA DEPARTMENT

Via Annibale Zucchini, 69 - 44122 Ferrara (FE)

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www.socotec.it**COMMITTENTE: ENGELO S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma****CANTIERE: Frazione Spigarolo - Busseto (PR)**

PROVA N°: CPTU 3 PROF. FALDA (m da p.c.): 4.00

PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

DATA: 02/03/22

PREFORO (m da p.c.):

LAT. (WGS 84): 44.972470°

LONG. (WGS 84): 10.058692°

COMMESSA: 23711FE/22

C. SITO N°: SF220199 del 07/03/202 OPERATORE: L. Formisano

| prof. | qc | fs | U | incl. | prof. | qc | fs | U | incl. | prof. | qc | fs | U | incl. | prof. | qc | fs | U | incl. | prof. | qc | fs | U | incl. | prof. | qc | fs | U | incl. |
|-------|------|--------|-------|-------|--------|------|-------|--------|-------|-------|------|--------|--------|-------|-------|-------|--------|--------|-------|-------|-------|--------|--------|-------|-------|-------|--------|--------|-------|
| m | Mpa | kPa | kPa | gradi | m | Mpa | kPa | kPa | gradi | m | Mpa | kPa | kPa | gradi | m | Mpa | kPa | kPa | gradi | m | Mpa | kPa | kPa | gradi | m | Mpa | kPa | kPa | gradi |
| 0.02 | 2.19 | 11.16 | 31.69 | 0.81 | 2.02 | 1.21 | 45.86 | 93.56 | 2.70 | 4.02 | 1.98 | 98.72 | 798.49 | 3.58 | 6.02 | 3.14 | 64.15 | #### | 4.52 | 8.02 | 10.01 | 60.31 | 74.03 | 5.43 | 8.04 | 9.90 | 60.31 | 72.39 | 5.44 |
| 0.04 | 2.32 | 17.95 | 28.44 | 0.98 | 2.04 | 1.10 | 45.86 | 93.56 | 2.71 | 4.04 | 1.95 | 97.83 | 798.49 | 3.58 | 6.04 | 3.32 | 68.38 | #### | 4.52 | 8.04 | 9.90 | 60.31 | 72.39 | 5.44 | 8.06 | 9.87 | 59.98 | 71.58 | 5.44 |
| 0.06 | 2.57 | 19.39 | 26.00 | 1.35 | 2.06 | 1.00 | 46.53 | 92.75 | 2.73 | 4.06 | 1.96 | 95.05 | 794.41 | 3.59 | 6.06 | 3.40 | 76.38 | 621.85 | 4.52 | 8.06 | 9.87 | 59.98 | 71.58 | 5.44 | 8.08 | 9.95 | 58.43 | 72.39 | 5.45 |
| 0.08 | 2.26 | 26.05 | 26.00 | 1.52 | 2.08 | 0.97 | 48.20 | 95.19 | 2.73 | 4.08 | 1.95 | 92.94 | 783.83 | 3.61 | 6.08 | 3.33 | 81.27 | 650.33 | 4.54 | 8.08 | 9.95 | 58.43 | 72.39 | 5.45 | 8.10 | 10.13 | 55.31 | 73.21 | 5.47 |
| 0.10 | 1.35 | 33.28 | 18.67 | 1.23 | 2.10 | 0.99 | 49.20 | 104.14 | 2.74 | 4.10 | 1.88 | 93.38 | 781.39 | 3.62 | 6.10 | 3.27 | 88.15 | 665.80 | 4.55 | 8.10 | 10.13 | 55.31 | 73.21 | 5.47 | 8.12 | 10.40 | 53.20 | 75.65 | 5.48 |
| 0.12 | 1.41 | 33.83 | 25.19 | 1.14 | 2.12 | 1.00 | 48.98 | 113.09 | 2.75 | 4.12 | 1.87 | 94.38 | 780.57 | 3.63 | 6.12 | 3.08 | 90.93 | 715.45 | 4.56 | 8.12 | 10.40 | 53.20 | 75.65 | 5.48 | 8.14 | 10.78 | 52.65 | 78.91 | 5.49 |
| 0.14 | 1.48 | 30.50 | 21.11 | 1.38 | 2.14 | 1.03 | 49.42 | 135.07 | 2.76 | 4.14 | 1.78 | 96.48 | 774.07 | 3.64 | 6.14 | 2.90 | 89.27 | 751.27 | 4.57 | 8.14 | 10.78 | 52.65 | 78.91 | 5.49 | 8.16 | 11.17 | 54.09 | 82.17 | 5.51 |
| 0.16 | 1.40 | 34.83 | 17.05 | 1.37 | 2.16 | 1.13 | 47.09 | 154.61 | 2.77 | 4.16 | 1.82 | 98.59 | 774.88 | 3.64 | 6.16 | 2.84 | 86.93 | 838.37 | 4.58 | 8.16 | 11.17 | 54.09 | 82.17 | 5.51 | 8.18 | 11.60 | 55.43 | 85.42 | 5.52 |
| 0.18 | 1.42 | 41.16 | 17.86 | 1.42 | 2.18 | 1.16 | 44.53 | 160.31 | 2.77 | 4.18 | 1.77 | 101.37 | 773.25 | 3.65 | 6.18 | 3.22 | 76.49 | 962.91 | 4.59 | 8.18 | 11.60 | 55.43 | 85.42 | 5.52 | 8.20 | 12.06 | 54.54 | 88.67 | 5.53 |
| 0.20 | 1.33 | 46.05 | 17.05 | 1.36 | 2.20 | 1.16 | 42.65 | 175.77 | 2.78 | 4.20 | 1.72 | 105.37 | 765.11 | 3.66 | 6.20 | 4.71 | 73.15 | #### | 4.59 | 8.20 | 12.06 | 54.54 | 88.67 | 5.53 | 8.22 | 12.55 | 55.31 | 91.93 | 5.54 |
| 0.22 | 1.33 | 51.05 | 16.23 | 1.42 | 2.22 | 1.13 | 40.31 | 213.22 | 2.80 | 4.22 | 1.69 | 109.59 | 758.60 | 3.68 | 6.22 | 6.95 | 85.49 | #### | 4.61 | 8.22 | 12.55 | 55.31 | 91.93 | 5.54 | 8.24 | 12.90 | 55.43 | 93.56 | 5.56 |
| 0.24 | 1.33 | 63.60 | 14.60 | 1.37 | 2.24 | 1.15 | 37.54 | 244.97 | 2.79 | 4.24 | 1.64 | 112.03 | 760.23 | 3.68 | 6.24 | 8.71 | 82.27 | 101.70 | 4.62 | 8.24 | 12.90 | 55.43 | 93.56 | 5.56 | 8.26 | 13.00 | 55.76 | 94.37 | 5.56 |
| 0.26 | 1.35 | 72.16 | 13.79 | 1.35 | 2.26 | 1.27 | 35.65 | 304.39 | 2.80 | 4.26 | 1.62 | 112.47 | 760.23 | 3.68 | 6.26 | 9.38 | 90.49 | 44.72 | 4.62 | 8.26 | 13.00 | 55.76 | 94.37 | 5.56 | 8.28 | 13.19 | 60.31 | 96.81 | 5.57 |
| 0.28 | 1.38 | 80.16 | 12.97 | 1.36 | 2.28 | 1.53 | 33.76 | 414.27 | 2.81 | 4.28 | 1.62 | 111.24 | 764.29 | 3.69 | 6.28 | 9.71 | 89.38 | 43.91 | 4.63 | 8.28 | 13.19 | 60.31 | 96.81 | 5.57 | 8.30 | 13.89 | 64.53 | 103.33 | 5.58 |
| 0.30 | 1.42 | 84.83 | 12.97 | 1.34 | 2.30 | 1.88 | 30.98 | 336.95 | 2.82 | 4.30 | 1.64 | 108.36 | 765.11 | 3.71 | 6.30 | 9.97 | 87.16 | 47.97 | 4.63 | 8.30 | 13.89 | 64.53 | 103.33 | 5.58 | 8.32 | 14.68 | 70.20 | 111.47 | 5.59 |
| 0.32 | 1.42 | 89.73 | 11.35 | 1.32 | 2.32 | 2.00 | 29.76 | 134.26 | 2.84 | 4.32 | 1.67 | 105.13 | 766.74 | 3.73 | 6.32 | 9.97 | 85.38 | 52.05 | 4.64 | 8.32 | 14.68 | 70.20 | 111.47 | 5.59 | 8.34 | 15.43 | 76.98 | 117.17 | 5.60 |
| 0.34 | 1.42 | 94.51 | 10.53 | 1.36 | 2.34 | 1.94 | 32.32 | 74.84 | 2.83 | 4.34 | 1.68 | 102.02 | 771.62 | 3.73 | 6.34 | 9.97 | 86.04 | 54.49 | 4.65 | 8.34 | 15.43 | 76.98 | 117.17 | 5.60 | 8.36 | 15.98 | 85.31 | 122.87 | 5.61 |
| 0.36 | 1.44 | 96.51 | 8.91 | 1.31 | 2.36 | 1.85 | 39.10 | 141.59 | 2.85 | 4.36 | 1.68 | 99.57 | 775.69 | 3.74 | 6.36 | 10.49 | 91.71 | 61.00 | 4.66 | 8.36 | 15.98 | 85.31 | 122.87 | 5.61 | 8.38 | 16.70 | 86.64 | 124.49 | 5.62 |
| 0.38 | 1.47 | 98.41 | 7.27 | 1.34 | 2.38 | 1.97 | 40.32 | 183.10 | 2.86 | 4.38 | 1.68 | 97.12 | 776.51 | 3.75 | 6.38 | 11.22 | 92.48 | 68.33 | 4.67 | 8.38 | 16.70 | 86.64 | 124.49 | 5.62 | 8.40 | 17.47 | 86.42 | 114.72 | 5.62 |
| 0.40 | 1.47 | 99.53 | 6.46 | 1.35 | 2.40 | 2.20 | 40.43 | 208.33 | 2.87 | 4.40 | 1.69 | 96.01 | 780.57 | 3.77 | 6.40 | 11.84 | 99.15 | 77.28 | 4.68 | 8.40 | 17.47 | 86.42 | 114.72 | 5.62 | 8.42 | 17.71 | 90.09 | 111.47 | 5.64 |
| 0.42 | 1.52 | 101.53 | 5.65 | 1.32 | 2.42 | 2.08 | 44.88 | 209.15 | 2.88 | 4.42 | 1.69 | 96.78 | 783.83 | 3.76 | 6.42 | 12.20 | 111.93 | 80.53 | 4.68 | 8.42 | 17.71 | 90.09 | 111.47 | 5.64 | 8.44 | 17.95 | 93.76 | 108.21 | 5.65 |
| 0.44 | 2.67 | 102.65 | 11.35 | 1.36 | 2.44 | 1.93 | 52.65 | 235.19 | 2.88 | 4.44 | 1.72 | 97.67 | 787.90 | 3.78 | 6.44 | 12.46 | 118.25 | 72.39 | 4.69 | 8.44 | 17.95 | 93.76 | 108.21 | 5.65 | 8.46 | 17.74 | 100.75 | 104.95 | 5.66 |
| 0.46 | 3.54 | 84.88 | 12.16 | 1.37 | 2.46 | 1.66 | 59.43 | 301.95 | 2.90 | 4.46 | 1.75 | 97.44 | 775.69 | 3.78 | 6.46 | 12.47 | 114.36 | 78.91 | 4.70 | 8.46 | 17.74 | 100.75 | 104.95 | 5.66 | 8.48 | 17.38 | 109.75 | 100.89 | 5.66 |
| 0.48 | 4.01 | 70.77 | 21.11 | 1.40 | 2.48 | 1.56 | 47.76 | 327.99 | 2.90 | 4.48 | 1.71 | 98.33 | 738.25 | 3.79 | 6.48 | 12.42 | 98.58 | 87.05 | 4.71 | 8.48 | 17.38 | 109.75 | 100.89 | 5.66 | 8.50 | 17.20 | 114.97 | 103.33 | 5.67 |
| 0.50 | 4.01 | 56.56 | 16.23 | 1.42 | 2.50 | 1.48 | 51.32 | 401.25 | 2.90 | 4.50 | 1.66 | 98.55 | 723.59 | 3.81 | 6.50 | 12.45 | 79.91 | 97.63 | 4.71 | 8.50 | 17.20 | 114.97 | 103.33 | 5.67 | 8.52 | 17.06 | 116.41 | 104.95 | 5.68 |
| 0.52 | 2.17 | 52.24 | 8.09 | 1.41 | 2.52 | 1.50 | 53.21 | 415.91 | 2.92 | 4.52 | 1.61 | 97.77 | 723.59 | 3.82 | 6.52 | 12.74 | 64.13 | 110.65 | 4.72 | 8.52 | 17.06 | 116.41 | 104.95 | 5.68 | 8.54 | 17.10 | 117.18 | 104.95 | 5.69 |
| 0.54 | 1.49 | 70.46 | 11.35 | 1.45 | 2.54 | 1.56 | 50.32 | 426.49 | 2.93 | 4.54 | 1.58 | 98.65 | 726.85 | 3.82 | 6.54 | 13.15 | 57.35 | 119.61 | 4.73 | 8.54 | 17.10 | 117.18 | 104.95 | 5.69 | 8.56 | 16.78 | 117.18 | 97.63 | 5.70 |
| 0.56 | 2.21 | 73.58 | 14.60 | 1.46 | 2.56 | 1.58 | 50.76 | 436.25 | 2.93 | 4.56 | 1.54 | 97.32 | 725.23 | 3.84 | 6.56 | 13.30 | 60.79 | 122.05 | 4.75 | 8.56 | 16.78 | 117.18 | 97.63 | 5.70 | 8.58 | 16.24 | 116.62 | 93.56 | 5.70 |
| 0.58 | 1.37 | 91.26 | 10.53 | 1.50 | 2.58 | 1.62 | 49.10 | 442.77 | 2.93 | 4.58 | 1.54 | 94.21 | 723.59 | 3.84 | 6.58 | 13.41 | 63.90 | 117.17 | 4.76 | 8.58 | 16.24 | 116.62 | 93.56 | 5.70 | 8.60 | 15.37 | 114.06 | 91.12 | 5.71 |
| 0.60 | 1.43 | 97.70 | 10.53 | 1.51 | 2.60 | 1.66 | 51.98 | 456.61 | 2.94 | 4.60 | 1.54 | 92.42 | 727.67 | 3.85 | 6.60 | 13.52 | 65.45 | 113.09 | 4.76 | 8.60 | 15.37 | 114.06 | 91.12 | 5.71 | 8.62 | 14.57 | 108.05 | 88.67 | 5.71 |
| 0.62 | 1.42 | 109.48 | 8.91 | 1.50 | 2.62 | 1.75 | 50.32 | 472.07 | 2.96 | 4.62 | 1.57 | 89.31 | 730.92 | 3.87 | 6.62 | 13.46 | 66.33 | 109.03 | 4.77 | 8.62 | 14.57 | 108.05 | 88.67 | 5.71 | 8.64 | 13.78 | 102.38 | 86.23 | 5.72 |
| 0.64 | 2.25 | 118.05 | 19.49 | 1.49 | 2.64 | 1.84 | 51.65 | 508.70 | 2.96 | 4.64 | 1.57 | 88.87 | 733.37 | 3.87 | 6.64 | 13.35 | 67.66 | 106.59 | 4.79 | 8.64 | 13.78 | 102.38 | 86.23 | 5.72 | 8.66 | 13.08 | 96.49 | 83.79 | 5.72 |
| 0.66 | 2.61 | 94.83 | 19.49 | 1.50 | 2.66 | 2.05 | 51.98 | 530.68 | 2.97 | 4.66 | 1.54 | 88.53 | 735.81 | 3.87 | 6.66 | 13.25 | 67.88 | 104.14 | 4.80 | 8.66 | 13.08 | 96.49 | 83.79 | 5.72 | 8.68 | 12.57 | 89.71 | 82.98 | 5.72 |
| 0.68 | 2.69 | 79.28 | 15.41 | 1.50 | 2.68 | 2.18 | 53.31 | 570.57 | 2.97 | 4.68 | 1.54 | 86.75 | 737.43 | 3.89 | 6.68 | 13.23 | 68.32 | 103.33 | 4.81 | 8.68 | 12.57 | 89.71 | 82.98 | 5.72 | 8.70 | 12.20 | 84.26 | 82.17 | 5.73 |
| 0.70 | 2.17 | 66.05 | 14.60 | 1.52 | 2.70 | 2.05 | 57.64 | 554.29 | 2.98 | 4.70 | 1.57 | 87.19 | 739.87 | 3.90 | 6.70 | 13.15 | 67.54 | 103.33 | 4.81 | 8.70 | 12.20 | 84.26 | 82.17 | 5.73 | 8.72 | 11.90 | 80.81 | 82.17 | 5.74 |
| 0.72 | 1.50 | 62.28 | 11.35 | 1.55 | 2.72</ | | | | | | | | | | | | | | | | | | | | | | | | |

FERRARA DEPARTMENT

Via Annibale Zucchini, 69 - 44122 Ferrara (FE)

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Headquarters: Via Bariola, 101-103 - 20020 Lainate (MI)

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www.socotec.it**COMMITTENTE: ENGELO S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma****CANTIERE: Frazione Spigarolo - Busseto (PR)**

PROVA N°: CPTU 3 PROF. FALDA (m da p.c.): 4.00

PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

DATA: 02/03/22

PREFORO (m da p.c.):

LAT. (WGS 84): 44.972470°

LONG. (WGS 84): 10.058692°

COMMESSA: 23711FE/22

C. SITO N°: SF220199 del 07/03/202 OPERATORE: L. Formisano

| prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi |
|---------|--------|--------|-------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|
| 10.02 | 13.03 | 74.32 | 52.05 | 6.37 | 12.02 | 10.19 | 50.82 | 99.26 | 7.29 | 14.02 | 10.28 | 45.48 | 101.70 | 7.97 | 16.02 | 13.99 | 66.85 | 117.17 | 8.21 | 18.02 | 14.37 | 52.96 | 161.12 | 8.45 |
| 10.04 | 13.00 | 75.33 | 43.09 | 6.39 | 12.04 | 10.16 | 49.60 | 98.45 | 7.29 | 14.04 | 10.76 | 47.26 | 103.33 | 7.97 | 16.04 | 13.89 | 67.62 | 117.98 | 8.21 | 18.04 | 15.31 | 54.18 | 174.96 | 8.45 |
| 10.06 | 13.13 | 77.33 | 40.65 | 6.39 | 12.06 | 10.12 | 48.37 | 99.26 | 7.30 | 14.06 | 11.15 | 49.26 | 103.33 | 7.97 | 16.06 | 13.75 | 68.73 | 117.98 | 8.21 | 18.06 | 16.07 | 54.62 | 184.73 | 8.46 |
| 10.08 | 13.31 | 78.78 | 39.83 | 6.40 | 12.08 | 10.12 | 48.79 | 39.02 | 7.32 | 14.08 | 11.60 | 51.04 | 104.95 | 7.98 | 16.08 | 13.77 | 68.62 | 119.61 | 8.22 | 18.08 | 16.43 | 51.62 | 176.59 | 8.46 |
| 10.10 | 13.55 | 80.34 | 40.65 | 6.41 | 12.10 | 10.33 | 48.68 | 37.39 | 7.31 | 14.10 | 11.95 | 52.13 | 68.33 | 7.98 | 16.10 | 13.75 | 68.17 | 120.42 | 8.22 | 18.10 | 16.66 | 50.29 | 169.26 | 8.46 |
| 10.12 | 13.77 | 82.67 | 42.28 | 6.42 | 12.12 | 10.31 | 49.13 | 36.58 | 7.33 | 14.12 | 12.11 | 56.59 | 65.07 | 7.98 | 16.12 | 13.91 | 62.90 | 69.14 | 8.22 | 18.12 | 17.10 | 51.63 | 176.59 | 8.46 |
| 10.14 | 13.82 | 84.89 | 43.09 | 6.43 | 12.14 | 10.36 | 50.24 | 35.77 | 7.34 | 14.14 | 12.53 | 59.15 | 65.89 | 7.98 | 16.14 | 13.84 | 62.12 | 66.70 | 8.22 | 18.14 | 17.58 | 54.74 | 179.85 | 8.47 |
| 10.16 | 13.80 | 86.67 | 43.91 | 6.44 | 12.16 | 10.39 | 50.58 | 35.77 | 7.34 | 14.16 | 12.96 | 60.48 | 67.51 | 7.99 | 16.16 | 13.96 | 62.02 | 65.89 | 8.21 | 18.16 | 18.02 | 58.25 | 122.05 | 8.46 |
| 10.18 | 13.78 | 87.33 | 44.72 | 6.45 | 12.18 | 10.54 | 50.91 | 35.77 | 7.35 | 14.18 | 13.31 | 62.04 | 69.14 | 7.99 | 16.18 | 13.97 | 62.24 | 65.89 | 8.22 | 18.18 | 18.62 | 61.36 | 126.12 | 8.47 |
| 10.20 | 13.59 | 90.89 | 45.53 | 6.45 | 12.20 | 10.82 | 51.02 | 38.21 | 7.36 | 14.20 | 13.67 | 64.71 | 72.39 | 7.99 | 16.20 | 14.01 | 60.24 | 65.89 | 8.23 | 18.20 | 19.05 | 66.26 | 129.37 | 8.46 |
| 10.22 | 13.97 | 90.33 | 48.79 | 6.46 | 12.22 | 11.19 | 51.47 | 39.83 | 7.37 | 14.22 | 14.00 | 66.37 | 75.65 | 8.00 | 16.22 | 14.30 | 58.24 | 67.51 | 8.23 | 18.22 | 18.97 | 72.37 | 128.56 | 8.47 |
| 10.24 | 14.35 | 89.77 | 52.05 | 6.47 | 12.24 | 11.65 | 51.13 | 43.09 | 7.38 | 14.24 | 14.31 | 68.37 | 78.91 | 8.00 | 16.24 | 14.43 | 59.13 | 69.95 | 8.23 | 18.24 | 19.16 | 76.04 | 131.01 | 8.47 |
| 10.26 | 14.68 | 87.77 | 55.30 | 6.48 | 12.26 | 12.23 | 50.91 | 46.35 | 7.38 | 14.26 | 14.62 | 68.70 | 82.98 | 8.00 | 16.26 | 14.57 | 58.35 | 71.58 | 8.23 | 18.26 | 18.91 | 81.48 | 131.01 | 8.47 |
| 10.28 | 14.87 | 86.99 | 58.56 | 6.49 | 12.28 | 12.77 | 51.46 | 49.61 | 7.40 | 14.28 | 14.88 | 69.37 | 86.23 | 8.00 | 16.28 | 14.70 | 57.57 | 72.39 | 8.23 | 18.28 | 18.65 | 84.92 | 131.01 | 8.47 |
| 10.30 | 15.00 | 85.99 | 60.19 | 6.49 | 12.30 | 13.09 | 52.13 | 52.05 | 7.41 | 14.30 | 15.10 | 71.81 | 90.31 | 8.00 | 16.30 | 15.11 | 60.13 | 76.46 | 8.23 | 18.30 | 18.52 | 88.25 | 132.63 | 8.48 |
| 10.32 | 14.87 | 86.20 | 61.81 | 6.51 | 12.32 | 13.28 | 53.68 | 53.67 | 7.41 | 14.32 | 15.38 | 71.92 | 96.00 | 7.99 | 16.32 | 15.30 | 59.13 | 79.72 | 8.23 | 18.32 | 18.36 | 90.47 | 134.26 | 8.48 |
| 10.34 | 14.90 | 87.09 | 63.44 | 6.52 | 12.34 | 13.55 | 56.35 | 56.11 | 7.41 | 14.34 | 15.42 | 71.92 | 98.45 | 7.99 | 16.34 | 15.49 | 58.13 | 82.98 | 8.23 | 18.34 | 17.97 | 91.69 | 126.93 | 8.48 |
| 10.36 | 14.68 | 89.53 | 63.44 | 6.53 | 12.36 | 13.90 | 57.68 | 60.19 | 7.43 | 14.36 | 15.49 | 73.25 | 100.89 | 7.98 | 16.36 | 15.44 | 58.57 | 84.61 | 8.24 | 18.36 | 17.33 | 92.80 | 124.49 | 8.48 |
| 10.38 | 14.22 | 92.09 | 61.81 | 6.53 | 12.38 | 14.36 | 58.90 | 65.07 | 7.44 | 14.38 | 15.62 | 74.91 | 102.51 | 7.99 | 16.38 | 15.33 | 58.13 | 86.23 | 8.24 | 18.38 | 16.71 | 92.12 | 122.87 | 8.48 |
| 10.40 | 13.79 | 95.53 | 60.19 | 6.54 | 12.40 | 14.69 | 59.23 | 68.33 | 7.45 | 14.40 | 15.75 | 75.58 | 99.26 | 8.00 | 16.40 | 14.84 | 57.57 | 84.61 | 8.24 | 18.40 | 16.18 | 91.45 | 122.87 | 8.49 |
| 10.42 | 13.54 | 98.98 | 59.37 | 6.56 | 12.42 | 14.69 | 61.90 | 70.77 | 7.45 | 14.42 | 15.79 | 77.25 | 99.26 | 8.00 | 16.42 | 14.41 | 58.57 | 83.79 | 8.24 | 18.42 | 15.82 | 91.12 | 124.49 | 8.49 |
| 10.44 | 13.65 | 99.87 | 61.00 | 6.58 | 12.44 | 14.34 | 63.34 | 71.58 | 7.46 | 14.44 | 15.68 | 77.80 | 98.45 | 7.99 | 16.44 | 14.17 | 59.57 | 84.61 | 8.24 | 18.44 | 15.61 | 91.45 | 127.75 | 8.49 |
| 10.46 | 13.95 | 97.76 | 64.25 | 6.58 | 12.46 | 13.80 | 63.45 | 69.95 | 7.46 | 14.46 | 15.55 | 78.13 | 100.07 | 8.01 | 16.46 | 14.04 | 60.79 | 86.23 | 8.24 | 18.46 | 15.36 | 90.47 | 130.19 | 8.49 |
| 10.48 | 14.24 | 95.86 | 66.70 | 6.59 | 12.48 | 13.18 | 62.78 | 69.14 | 7.47 | 14.48 | 15.30 | 79.24 | 101.70 | 8.03 | 16.48 | 14.01 | 62.67 | 88.67 | 8.25 | 18.48 | 15.08 | 88.66 | 131.01 | 8.49 |
| 10.50 | 14.50 | 93.86 | 68.33 | 6.60 | 12.50 | 12.67 | 62.56 | 68.33 | 7.48 | 14.50 | 15.01 | 78.68 | 103.33 | 8.03 | 16.50 | 14.07 | 63.67 | 91.12 | 8.25 | 18.50 | 14.83 | 87.77 | 131.82 | 8.50 |
| 10.52 | 14.82 | 92.08 | 70.77 | 6.62 | 12.52 | 12.45 | 62.00 | 73.21 | 7.47 | 14.52 | 14.68 | 78.79 | 104.14 | 8.03 | 16.52 | 14.37 | 62.78 | 94.38 | 8.26 | 18.52 | 14.57 | 86.21 | 131.82 | 8.50 |
| 10.54 | 15.11 | 89.86 | 74.03 | 6.62 | 12.54 | 11.72 | 75.11 | 67.51 | 7.48 | 14.54 | 14.48 | 79.12 | 106.59 | 8.03 | 16.54 | 13.83 | 63.11 | 91.12 | 8.25 | 18.54 | 14.24 | 86.21 | 131.82 | 8.50 |
| 10.56 | 15.20 | 88.31 | 74.84 | 6.63 | 12.56 | 11.64 | 69.33 | 69.95 | 7.49 | 14.56 | 14.34 | 78.67 | 109.03 | 8.04 | 16.56 | 13.29 | 63.45 | 87.86 | 8.25 | 18.56 | 13.98 | 85.31 | 131.82 | 8.51 |
| 10.58 | 15.38 | 90.19 | 77.28 | 6.65 | 12.58 | 11.70 | 66.33 | 73.21 | 7.50 | 14.58 | 14.29 | 78.00 | 112.28 | 8.04 | 16.58 | 12.83 | 63.89 | 85.42 | 8.24 | 18.58 | 13.65 | 84.87 | 131.01 | 8.51 |
| 10.60 | 15.31 | 92.08 | 77.28 | 6.66 | 12.60 | 11.92 | 63.32 | 77.28 | 7.51 | 14.60 | 14.21 | 76.99 | 114.73 | 8.04 | 16.60 | 12.51 | 64.44 | 85.42 | 8.23 | 18.60 | 13.36 | 83.97 | 131.01 | 8.51 |
| 10.62 | 15.30 | 93.41 | 77.28 | 6.66 | 12.62 | 12.16 | 60.21 | 80.53 | 7.52 | 14.62 | 14.21 | 76.32 | 113.91 | 8.04 | 16.62 | 12.27 | 64.89 | 84.61 | 8.24 | 18.62 | 13.06 | 82.97 | 131.01 | 8.51 |
| 10.64 | 15.42 | 93.52 | 78.91 | 6.67 | 12.64 | 12.45 | 59.21 | 84.61 | 7.53 | 14.64 | 14.32 | 76.32 | 116.35 | 8.04 | 16.64 | 12.20 | 63.77 | 85.42 | 8.25 | 18.64 | 12.71 | 81.52 | 129.37 | 8.51 |
| 10.66 | 15.57 | 92.75 | 81.35 | 6.67 | 12.66 | 12.75 | 59.43 | 88.67 | 7.54 | 14.66 | 14.49 | 75.43 | 122.05 | 8.04 | 16.66 | 12.16 | 61.44 | 87.05 | 8.25 | 18.66 | 12.39 | 79.40 | 128.56 | 8.52 |
| 10.68 | 15.61 | 93.30 | 82.98 | 6.69 | 12.68 | 13.03 | 54.21 | 92.75 | 7.55 | 14.68 | 14.90 | 75.43 | 131.01 | 8.05 | 16.68 | 12.10 | 59.77 | 87.86 | 8.26 | 18.68 | 12.26 | 77.40 | 129.37 | 8.52 |
| 10.70 | 15.88 | 93.08 | 86.23 | 6.70 | 12.70 | 13.21 | 51.65 | 96.00 | 7.57 | 14.70 | 15.39 | 73.86 | 141.59 | 8.05 | 16.70 | 12.05 | 56.33 | 88.67 | 8.26 | 18.70 | 12.05 | 76.06 | 128.56 | 8.53 |
| 10.72 | 15.95 | 92.52 | 87.86 | 6.70 | 12.72 | 13.25 | 51.65 | 98.45 | 7.56 | 14.72 | 15.81 | 72.64 | 150.54 | 8.06 | 16.72 | 12.03 | 54.44 | 89.49 | 8.25 | 18.72 | 11.84 | 75.06 | 127.75 | 8.53 |
| 10.74 | 15.98 | 92.52 | 89.49 | 6.71 | 12.74 | 13.36 | 54.20 | 101.70 | 7.58 | 14.74 | 16.17 | 72.97 | 159.49 | 8.05 | 16.74 | 11.99 | 53.21 | 91.12 | 8.26 | 18.74 | 11.62 | 73.17 | 126.93 | 8.53 |
| 10.76 | 15.90 | 93.18 | 90.31 | 6.72 | 12.76 | 13.59 | 57.76 | 105.77 | 7.59 | 14.76 | 15.98 | 75.30 | 161.12 | 8.06 | 16.76 | 11.99 | 51.77 | 91.93 | 8.26 | 18.76 | 11.34 | 70.39 | 123.68 | 8.54 |
| 10.78 | 15.77 | 94.29 | 90.31 | 6.73 | 12.78 | 13.70 | 60.31 | 109.03 | 7.60 | 14.78 | 16.31 | 76.18 | 170.89 | 8.06 | 16.78 | 12.03 | 51.77 | 93.56 | 8.27 | 18.78 | 11.00 | 68.50 | 120.42 | 8.54 |
| 10.80 | 15.53 | 95.51 | 89.49 | 6.73 | 12.80 | 13.63 | 61.42 | 109.84 | 7.61 | 14.80 | 16.63 | 77.96 | 179.85 | 8.06 | 16.80 | 12.07 | 52.43 | 95.19 | 8.27 | 18.80 | 10.70 | 67.05 | 117.98 | 8.54 |
| 10.82 | 15.31 | 95.74 | 89.49 | 6.74 | 12.82 | 13.62 | 62.53 | 112.28 | 7.62 | 14.82 | 17.75 | 82.40 | 201.82 | 8.06 | 16.82 | 12.11 | 51.99 | 96.81 | 8.27 | 18.82 | 10.32 | 65.28 | 113.91 | 8.55 |
| 10.84 | 15.09 | 96.51 | 89.49 | 6.74 | 12.84 | 13.52 | 64.86 | 113.91 | 7.62 | 14.84 | 19.50 | 125.95 | 244.97 | 8.06 | | | | | | | | | | |

FERRARA DEPARTMENT

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Headquarters: Via Bariola, 101-103 - 20020 Lainate (MI)

Tel.: +39 02 9375 0000 - Fax: +39 02 9375 0099

www.socotec.it**COMMITTENTE:** ENGEO S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma**CANTIERE:** Frazione Spigarolo - Busseto (PR)

PROVA N°: CPTU 3 PROF. FALDA (m da p.c.): 4.00

PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

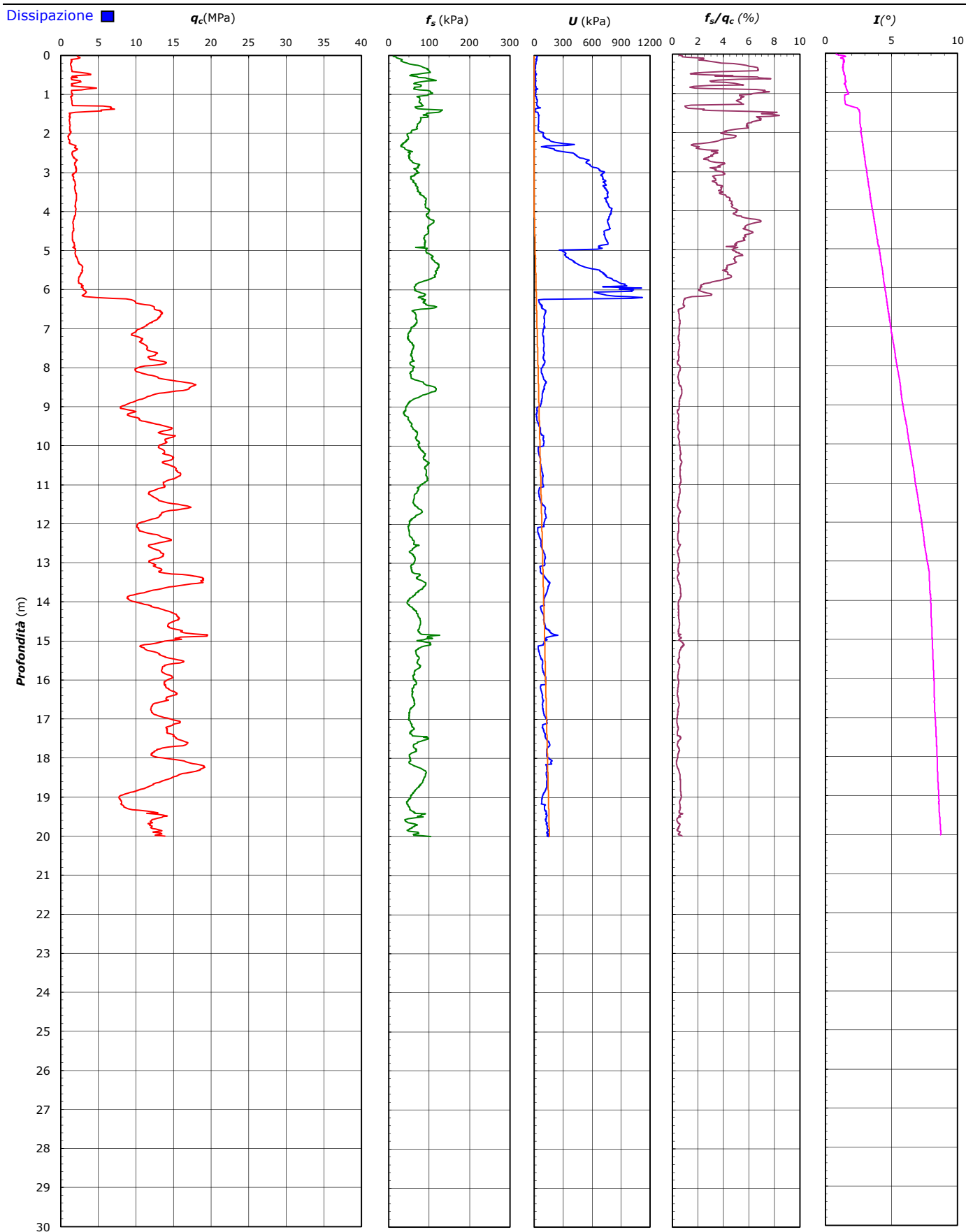
DATA: 02/03/22 PREFORO (m da p.c.):

LAT. (WGS 84): 44.972470°

LONG. (WGS 84): 10.058692°

COMMESSA: 23711FE/22

C. SITO N°: SF220199 del 07/03/202 OPERATORE: L. Formisano



Il Responsabile Prove in Sito:
dott. Massimo Romagnoli

FERRARA DEPARTMENT

Via Annibale Zucchini, 69 – 44122 Ferrara (FE)

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SOCOTEC ITALIA Srl – P.Iva 01872430648

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www.socotec.it**COMMITTENTE:** ENGEО S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma**CANTIERE:** Frazione Spigarolo - Busseto (PR)

PROVA N°: CPTU 3 PROF. FALDA (m da p.c.): 4.00 PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

DATA: 02/03/22 PREFORO (m da p.c.): LAT. (WGS 84): 44.972470° LONG. (WGS 84): 10.058692°

COMMESSA: 23711FE/22 C. SITO N°: SF220199 del 07/03/202 OPERATORE: L. Formisano

UBICAZIONE

Località: Frazione Spigarolo - Busseto (PR)



NOTE: Utilizzato 1 anello allargatore da inizio prova

FERRARA DEPARTMENT

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SOCOTEC ITALIA Srl - P.Iva 01872430648

Headquarters: Via Bariola, 101-103 - 20020 Lainate (MI)

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www.socotec.it**COMMITTENTE: ENGELO S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma****CANTIERE:** Strada comunale del Lino - Frescarolo - Busseto (PR)

PROVA N°: CPTU 4 PROF. FALDA (m da p.c.): 4.10

PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

DATA: 03/03/22 PREFORO (m da p.c.): 0.02 LAT. (WGS 84): 44.977220° LONG. (WGS 84): 10.076843°

COMMESSA: 23711FE/22 C. SITO N°: SF220210 del 08/03/202 OPERATORE: L. Formisano

| prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi |
|---------|--------|--------|-------|-------------|---------|--------|--------|-------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|-------|-------------|
| 0.04 | 1.40 | 21.49 | 17.49 | 1.83 | 2.04 | 1.85 | 63.51 | 31.33 | 1.55 | 4.04 | 1.98 | 80.80 | 210.41 | 2.60 | 6.04 | 2.22 | 52.57 | 735.43 | 3.66 | 8.04 | 2.97 | 19.54 | 22.37 | 4.64 |
| 0.06 | 1.34 | 25.94 | 16.67 | 0.82 | 2.06 | 1.90 | 63.18 | 37.02 | 1.56 | 4.06 | 2.09 | 78.02 | 216.10 | 2.62 | 6.06 | 2.24 | 50.46 | 738.69 | 3.67 | 8.06 | 2.89 | 17.76 | 20.74 | 4.66 |
| 0.08 | 1.31 | 29.05 | 19.11 | 0.87 | 2.08 | 1.93 | 62.29 | 39.47 | 1.57 | 4.08 | 2.14 | 76.79 | 222.61 | 2.63 | 6.08 | 2.24 | 52.57 | 770.43 | 3.69 | 8.08 | 2.80 | 15.54 | 19.11 | 4.67 |
| 0.10 | 1.29 | 33.04 | 14.23 | 0.87 | 2.10 | 1.93 | 61.84 | 37.83 | 1.58 | 4.10 | 2.22 | 75.79 | 228.31 | 2.64 | 6.10 | 2.26 | 52.57 | 774.51 | 3.69 | 8.10 | 2.75 | 15.43 | 18.30 | 4.68 |
| 0.12 | 1.42 | 31.49 | 12.60 | 0.77 | 2.12 | 1.89 | 64.29 | 37.02 | 1.59 | 4.12 | 2.20 | 75.68 | 239.71 | 2.65 | 6.12 | 2.37 | 52.13 | 783.46 | 3.70 | 8.12 | 2.67 | 16.65 | 16.67 | 4.68 |
| 0.14 | 1.50 | 36.04 | 11.79 | 0.79 | 2.14 | 1.85 | 67.29 | 36.21 | 1.59 | 4.14 | 2.28 | 75.12 | 247.03 | 2.65 | 6.14 | 2.56 | 54.24 | 795.67 | 3.72 | 8.14 | 2.61 | 18.99 | 15.86 | 4.70 |
| 0.16 | 1.41 | 33.05 | 19.11 | 0.93 | 2.16 | 1.81 | 72.29 | 37.02 | 1.58 | 4.16 | 2.44 | 76.46 | 255.17 | 2.66 | 6.16 | 3.02 | 59.80 | 840.07 | 3.73 | 8.16 | 2.58 | 20.76 | 15.05 | 4.70 |
| 0.18 | 1.47 | 35.94 | 15.86 | 1.14 | 2.18 | 1.77 | 77.29 | 40.28 | 1.61 | 4.18 | 2.39 | 78.23 | 260.87 | 2.69 | 6.18 | 4.03 | 65.91 | 919.40 | 3.75 | 8.18 | 2.58 | 23.43 | 14.23 | 4.70 |
| 0.20 | 1.43 | 37.95 | 12.60 | 0.81 | 2.20 | 1.72 | 82.07 | 45.97 | 1.61 | 4.20 | 2.37 | 79.68 | 269.01 | 2.70 | 6.20 | 5.08 | 64.13 | 674.39 | 3.76 | 8.20 | 2.42 | 26.66 | 12.60 | 4.72 |
| 0.22 | 1.84 | 43.40 | 9.35 | 0.62 | 2.22 | 1.64 | 85.18 | 45.97 | 1.64 | 4.22 | 2.39 | 81.45 | 277.15 | 2.69 | 6.22 | 5.26 | 65.02 | 292.62 | 3.77 | 8.22 | 2.25 | 28.55 | 10.97 | 4.74 |
| 0.24 | 1.70 | 39.08 | 6.91 | 0.97 | 2.24 | 1.67 | 85.95 | 45.97 | 1.62 | 4.24 | 2.39 | 79.90 | 284.48 | 2.71 | 6.24 | 4.65 | 74.47 | 74.47 | 3.78 | 8.24 | 1.99 | 30.21 | 8.53 | 4.74 |
| 0.26 | 1.50 | 36.43 | 3.65 | 0.55 | 2.26 | 1.64 | 85.18 | 46.79 | 1.63 | 4.26 | 2.32 | 78.22 | 303.20 | 2.73 | 6.26 | 3.85 | 84.36 | 53.30 | 3.76 | 8.26 | 1.74 | 30.77 | 6.91 | 4.76 |
| 0.28 | 1.62 | 38.01 | 2.39 | 0.73 | 2.28 | 1.67 | 84.51 | 49.23 | 1.65 | 4.28 | 2.43 | 76.44 | 310.53 | 2.73 | 6.28 | 3.56 | 99.47 | 74.47 | 3.79 | 8.28 | 1.63 | 30.33 | 6.09 | 4.79 |
| 0.30 | 1.90 | 44.47 | 2.39 | 0.65 | 2.30 | 1.73 | 81.62 | 51.67 | 1.65 | 4.30 | 2.45 | 75.55 | 316.23 | 2.74 | 6.30 | 3.99 | 98.36 | 482.28 | 3.79 | 8.30 | 2.23 | 32.21 | 13.41 | 4.80 |
| 0.32 | 1.73 | 42.82 | 2.05 | 0.87 | 2.32 | 1.80 | 77.06 | 56.56 | 1.67 | 4.32 | 2.46 | 74.44 | 321.92 | 2.74 | 6.32 | 5.26 | 87.58 | 448.91 | 3.79 | 8.32 | 3.80 | 38.44 | 28.07 | 4.83 |
| 0.34 | 1.59 | 42.39 | 4.49 | 0.88 | 2.34 | 1.81 | 73.84 | 55.75 | 1.67 | 4.34 | 2.53 | 73.44 | 336.57 | 2.76 | 6.34 | 6.18 | 79.58 | 103.77 | 3.80 | 8.34 | 5.17 | 48.44 | 36.21 | 4.86 |
| 0.36 | 1.47 | 43.62 | 5.31 | 0.77 | 2.36 | 1.81 | 72.84 | 57.37 | 1.68 | 4.36 | 2.53 | 71.88 | 350.41 | 2.77 | 6.36 | 6.65 | 80.36 | 58.19 | 3.82 | 8.36 | 5.95 | 50.22 | 37.02 | 4.88 |
| 0.38 | 1.46 | 46.08 | 5.31 | 0.73 | 2.38 | 1.76 | 70.95 | 57.37 | 1.69 | 4.38 | 2.52 | 73.10 | 372.39 | 2.77 | 6.38 | 6.92 | 81.58 | 57.37 | 3.83 | 8.38 | 6.72 | 47.33 | 41.91 | 4.88 |
| 0.40 | 1.47 | 48.76 | 6.93 | 0.86 | 2.40 | 1.73 | 70.39 | 55.75 | 1.70 | 4.40 | 2.54 | 74.99 | 400.07 | 2.79 | 6.40 | 7.07 | 75.13 | 58.19 | 3.83 | 8.40 | 7.22 | 39.22 | 44.35 | 4.88 |
| 0.42 | 1.52 | 50.22 | 7.75 | 0.90 | 2.42 | 1.67 | 68.72 | 55.75 | 1.72 | 4.42 | 2.55 | 78.32 | 413.91 | 2.79 | 6.42 | 7.10 | 67.47 | 61.44 | 3.85 | 8.42 | 7.50 | 32.22 | 45.16 | 4.89 |
| 0.44 | 1.56 | 49.91 | 8.56 | 0.80 | 2.44 | 1.63 | 68.71 | 56.56 | 1.74 | 4.44 | 2.65 | 79.43 | 444.02 | 2.81 | 6.44 | 7.10 | 57.13 | 67.14 | 3.86 | 8.44 | 7.79 | 29.44 | 46.79 | 4.90 |
| 0.46 | 1.45 | 53.36 | 11.82 | 0.85 | 2.46 | 1.59 | 68.49 | 55.75 | 1.75 | 4.46 | 2.62 | 81.87 | 452.97 | 2.82 | 6.46 | 7.08 | 42.13 | 72.03 | 3.88 | 8.46 | 8.98 | 26.44 | 56.56 | 4.92 |
| 0.48 | 1.42 | 53.37 | 13.45 | 0.80 | 2.48 | 1.55 | 66.93 | 56.56 | 1.77 | 4.48 | 2.81 | 83.09 | 475.77 | 2.83 | 6.48 | 6.94 | 37.02 | 76.91 | 3.89 | 8.48 | 10.04 | 30.00 | 63.07 | 4.94 |
| 0.50 | 1.38 | 55.39 | 14.26 | 0.88 | 2.50 | 1.54 | 65.71 | 57.37 | 1.78 | 4.50 | 2.96 | 81.65 | 466.81 | 2.84 | 6.50 | 6.67 | 35.91 | 78.53 | 3.90 | 8.50 | 10.85 | 33.33 | 68.77 | 4.93 |
| 0.52 | 1.32 | 55.84 | 14.26 | 0.89 | 2.52 | 1.55 | 64.93 | 57.37 | 1.80 | 4.52 | 2.82 | 83.87 | 450.53 | 2.85 | 6.52 | 6.57 | 34.02 | 82.61 | 3.91 | 8.52 | 11.47 | 33.67 | 68.77 | 4.94 |
| 0.54 | 1.29 | 55.30 | 15.07 | 0.91 | 2.54 | 1.57 | 63.71 | 57.37 | 1.80 | 4.54 | 2.79 | 80.42 | 172.15 | 2.86 | 6.54 | 6.57 | 33.68 | 88.31 | 3.92 | 8.54 | 11.65 | 31.44 | 62.25 | 4.96 |
| 0.56 | 1.27 | 54.98 | 15.89 | 0.89 | 2.56 | 1.63 | 64.48 | 59.81 | 1.80 | 4.56 | 2.64 | 86.19 | 194.13 | 2.87 | 6.56 | 6.90 | 29.68 | 98.07 | 3.94 | 8.56 | 11.36 | 30.00 | 59.81 | 4.98 |
| 0.58 | 1.24 | 55.55 | 15.89 | 0.91 | 2.58 | 1.68 | 65.48 | 62.25 | 1.84 | 4.58 | 2.63 | 89.08 | 239.71 | 2.90 | 6.58 | 7.40 | 27.01 | 111.91 | 3.95 | 8.58 | 10.68 | 30.11 | 56.56 | 4.98 |
| 0.60 | 1.24 | 54.23 | 15.07 | 0.88 | 2.60 | 1.72 | 66.48 | 63.89 | 1.83 | 4.60 | 2.63 | 93.41 | 314.59 | 2.91 | 6.60 | 7.63 | 30.23 | 118.42 | 3.96 | 8.60 | 10.25 | 27.55 | 57.37 | 4.98 |
| 0.62 | 1.23 | 52.57 | 14.26 | 0.89 | 2.62 | 1.76 | 66.59 | 63.89 | 1.86 | 4.62 | 2.72 | 96.63 | 328.43 | 2.91 | 6.62 | 7.74 | 36.56 | 96.45 | 3.97 | 8.62 | 9.98 | 25.88 | 58.19 | 4.98 |
| 0.64 | 1.24 | 51.92 | 11.01 | 0.97 | 2.64 | 1.79 | 67.37 | 63.89 | 1.86 | 4.64 | 2.75 | 100.30 | 339.83 | 2.92 | 6.64 | 8.11 | 42.12 | 80.17 | 3.98 | 8.64 | 9.96 | 26.10 | 62.25 | 4.98 |
| 0.66 | 1.24 | 49.49 | 8.56 | 0.95 | 2.66 | 1.76 | 67.81 | 63.07 | 1.87 | 4.66 | 2.72 | 103.19 | 347.15 | 2.94 | 6.66 | 8.65 | 50.56 | 89.93 | 3.98 | 8.66 | 10.06 | 28.99 | 66.33 | 4.99 |
| 0.68 | 1.23 | 47.16 | 6.12 | 0.93 | 2.68 | 1.75 | 65.48 | 63.89 | 1.87 | 4.68 | 2.78 | 108.74 | 356.11 | 2.94 | 6.68 | 9.19 | 53.67 | 102.95 | 3.99 | 8.68 | 9.96 | 31.99 | 67.95 | 5.01 |
| 0.70 | 1.23 | 45.50 | 5.31 | 0.95 | 2.70 | 1.74 | 63.14 | 64.70 | 1.88 | 4.70 | 2.81 | 108.40 | 359.37 | 2.95 | 6.70 | 9.62 | 49.34 | 115.17 | 3.99 | 8.70 | 10.07 | 33.77 | 72.03 | 5.01 |
| 0.72 | 1.25 | 42.30 | 5.31 | 0.98 | 2.72 | 1.74 | 61.92 | 65.51 | 1.89 | 4.72 | 2.86 | 110.18 | 367.51 | 2.95 | 6.72 | 10.20 | 39.34 | 129.01 | 4.01 | 8.72 | 10.47 | 34.65 | 80.17 | 5.01 |
| 0.74 | 1.24 | 40.42 | 6.12 | 1.00 | 2.74 | 1.74 | 61.14 | 65.51 | 1.91 | 4.74 | 2.95 | 111.39 | 378.90 | 2.97 | 6.74 | 10.76 | 33.78 | 135.51 | 4.02 | 8.74 | 10.91 | 34.54 | 87.49 | 5.03 |
| 0.76 | 1.24 | 40.09 | 8.56 | 1.02 | 2.76 | 1.72 | 62.25 | 67.14 | 1.90 | 4.76 | 2.91 | 116.84 | 390.30 | 2.99 | 6.76 | 11.11 | 34.45 | 129.82 | 4.02 | 8.76 | 11.26 | 33.20 | 93.19 | 5.03 |
| 0.78 | 1.25 | 41.66 | 8.56 | 1.02 | 2.78 | 1.66 | 60.58 | 67.14 | 1.91 | 4.78 | 2.92 | 118.73 | 400.88 | 2.99 | 6.78 | 11.31 | 35.22 | 125.75 | 4.04 | 8.78 | 11.16 | 32.20 | 94.00 | 5.04 |
| 0.80 | 1.25 | 43.44 | 10.19 | 1.02 | 2.80 | 1.61 | 59.14 | 67.14 | 1.93 | 4.80 | 2.97 | 121.16 | 427.74 | 3.00 | 6.80 | 11.28 | 36.33 | 122.49 | 4.05 | 8.80 | 10.76 | 30.20 | 91.56 | 5.05 |
| 0.82 | 1.27 | 46.34 | 11.01 | 1.03 | 2.82 | 1.64 | 59.25 | 67.95 | 1.94 | 4.82 | 3.05 | 120.28 | 455.42 | 3.01 | 6.82 | 11.12 | 38.11 | 120.05 | 4.04 | 8.82 | 10.02 | 29.53 | 85.86 | 5.05 |
| 0.84 | 1.26 | 48.79 | 11.01 | 1.03 | 2.84 | 1.64 | 58.13 | 68.77 | 1.95 | 4.84 | 3.16 | 117.50 | 467.63 | 3.01 | 6.84 | 10.91 | 41.33 | 119.23 | 4.06 | 8.84 | 9.22 | 29.08 | 82.61 | 5.06 |
| 0.86 | 1.29 | 49.91 | 11.82 | 1.08 | 2.86 | 1.70 | 57.69 | 69.58 | 1.96 | 4.86 | 3.27 | 116.94 | 517.28 | 3.03 | 6.86 | 10.72 | 40.55 | 117.61 | 4.06 | 8.86 | 8.55 | 28.19 | 80.17 | 5.06 |
| 0.88 | 1.29 | 50.81 | 12.63 | 1.09 | 2.88 | 1.66 | 57.91 | 69.58 | 1.96 | 4.88 | 3.43 | 118.49 | 531.12 | 3.05 | 6.88 | 10.55 | 41.10 | 116.79 | 4.08 | 8.88 | 7 | | | |

FERRARA DEPARTMENT

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www.socotec.it**COMMITTENTE: ENGELO S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma****CANTIERE:** Strada comunale del Lino - Frescarolo - Busseto (PR)

PROVA N°: CPTU 4 PROF. FALDA (m da p.c.): 4.10 PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

DATA: 03/03/22 PREFORO (m da p.c.): 0.02 LAT. (WGS 84): 44.977220° LONG. (WGS 84): 10.076843°

COMMESSA: 23711FE/22 C. SITO N°: SF220210 del 08/03/202 OPERATORE: L. Formisano

| prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi |
|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|
| 10.04 | 10.03 | 28.14 | 92.37 | 5.67 | 12.04 | 18.01 | 79.67 | 127.37 | 6.55 | 14.04 | 17.78 | 58.29 | 91.56 | 7.32 | 16.04 | 9.83 | 33.19 | 65.51 | 8.10 | 18.04 | 9.74 | 39.05 | 75.28 | 8.98 |
| 10.06 | 9.79 | 28.47 | 89.12 | 5.68 | 12.06 | 17.69 | 79.78 | 124.93 | 6.55 | 14.06 | 17.91 | 61.84 | 92.37 | 7.32 | 16.06 | 10.08 | 33.08 | 66.33 | 8.11 | 18.06 | 9.76 | 39.16 | 73.65 | 8.97 |
| 10.08 | 9.39 | 29.14 | 85.05 | 5.69 | 12.08 | 17.25 | 78.90 | 123.31 | 6.57 | 14.08 | 18.10 | 63.95 | 94.81 | 7.32 | 16.08 | 10.45 | 33.63 | 67.95 | 8.12 | 18.08 | 9.58 | 39.94 | 69.58 | 8.99 |
| 10.10 | 8.92 | 30.14 | 80.98 | 5.69 | 12.10 | 16.65 | 78.67 | 120.87 | 6.59 | 14.10 | 18.18 | 67.07 | 97.26 | 7.34 | 16.10 | 10.86 | 33.75 | 70.39 | 8.12 | 18.10 | 9.41 | 39.50 | 66.33 | 8.99 |
| 10.12 | 8.44 | 30.25 | 77.72 | 5.70 | 12.12 | 15.92 | 78.90 | 116.79 | 6.60 | 14.12 | 18.17 | 70.06 | 98.89 | 7.34 | 16.12 | 11.42 | 34.86 | 75.28 | 8.13 | 18.12 | 9.30 | 39.39 | 64.70 | 9.01 |
| 10.14 | 8.07 | 29.69 | 76.09 | 5.71 | 12.14 | 15.06 | 78.34 | 113.54 | 6.61 | 14.14 | 17.89 | 71.40 | 99.70 | 7.36 | 16.14 | 12.02 | 34.30 | 78.53 | 8.14 | 18.14 | 9.24 | 39.50 | 63.89 | 9.01 |
| 10.16 | 7.82 | 29.47 | 74.47 | 5.72 | 12.16 | 14.50 | 77.67 | 111.91 | 6.61 | 14.16 | 17.52 | 72.50 | 96.45 | 7.37 | 16.16 | 12.56 | 35.08 | 80.98 | 8.15 | 18.16 | 9.24 | 39.06 | 63.89 | 9.02 |
| 10.18 | 7.58 | 29.36 | 72.84 | 5.74 | 12.18 | 14.20 | 75.33 | 112.73 | 6.62 | 14.18 | 17.28 | 73.17 | 94.81 | 7.37 | 16.18 | 12.83 | 35.53 | 80.98 | 8.17 | 18.18 | 9.22 | 38.50 | 62.25 | 9.04 |
| 10.20 | 7.42 | 29.36 | 72.03 | 5.75 | 12.20 | 14.15 | 73.33 | 115.17 | 6.64 | 14.20 | 16.93 | 72.83 | 93.19 | 7.38 | 16.20 | 12.71 | 35.97 | 79.35 | 8.16 | 18.20 | 9.21 | 36.73 | 62.25 | 9.04 |
| 10.22 | 7.32 | 30.24 | 72.84 | 5.76 | 12.22 | 14.16 | 71.66 | 117.61 | 6.64 | 14.22 | 16.81 | 74.05 | 94.00 | 7.38 | 16.22 | 12.12 | 37.53 | 73.65 | 8.17 | 18.22 | 9.22 | 34.39 | 61.44 | 9.04 |
| 10.24 | 7.25 | 30.02 | 72.84 | 5.77 | 12.24 | 14.02 | 68.43 | 116.79 | 6.64 | 14.24 | 16.41 | 73.60 | 94.00 | 7.40 | 16.24 | 11.66 | 39.97 | 70.39 | 8.17 | 18.24 | 9.32 | 33.62 | 62.25 | 9.06 |
| 10.26 | 7.32 | 29.01 | 73.65 | 5.77 | 12.26 | 13.75 | 66.10 | 115.98 | 6.66 | 14.26 | 16.64 | 72.94 | 96.45 | 7.40 | 16.26 | 11.42 | 40.53 | 70.39 | 8.19 | 18.26 | 9.46 | 33.73 | 63.07 | 9.06 |
| 10.28 | 7.40 | 28.46 | 74.47 | 5.77 | 12.28 | 13.54 | 64.76 | 115.17 | 6.67 | 14.28 | 17.15 | 72.37 | 101.33 | 7.41 | 16.28 | 11.40 | 41.75 | 71.21 | 8.19 | 18.28 | 9.62 | 32.73 | 63.89 | 9.07 |
| 10.30 | 7.48 | 28.90 | 75.28 | 5.78 | 12.30 | 13.62 | 62.65 | 117.61 | 6.67 | 14.30 | 17.12 | 75.59 | 101.33 | 7.42 | 16.30 | 11.47 | 41.53 | 72.84 | 8.19 | 18.30 | 9.76 | 32.73 | 64.70 | 9.08 |
| 10.32 | 7.56 | 27.79 | 76.09 | 5.79 | 12.32 | 13.91 | 62.42 | 123.31 | 6.68 | 14.32 | 16.54 | 76.26 | 98.07 | 7.43 | 16.32 | 11.59 | 41.53 | 75.28 | 8.21 | 18.32 | 9.76 | 33.62 | 63.89 | 9.09 |
| 10.34 | 7.67 | 27.01 | 76.91 | 5.80 | 12.34 | 13.88 | 61.64 | 129.01 | 6.70 | 14.34 | 15.85 | 74.92 | 94.81 | 7.43 | 16.34 | 11.66 | 41.08 | 75.28 | 8.21 | 18.34 | 9.76 | 33.62 | 63.07 | 9.10 |
| 10.36 | 7.85 | 26.23 | 78.53 | 5.81 | 12.36 | 14.79 | 61.09 | 131.45 | 6.70 | 14.36 | 15.84 | 74.80 | 98.89 | 7.43 | 16.36 | 11.85 | 40.30 | 77.72 | 8.21 | 18.36 | 9.80 | 32.96 | 63.07 | 9.11 |
| 10.38 | 8.18 | 24.46 | 81.79 | 5.82 | 12.38 | 15.06 | 61.86 | 132.26 | 6.70 | 14.38 | 15.76 | 92.02 | 96.45 | 7.43 | 16.38 | 11.88 | 40.41 | 79.35 | 8.23 | 18.38 | 9.89 | 33.29 | 63.89 | 9.12 |
| 10.40 | 8.61 | 23.90 | 86.67 | 5.81 | 12.40 | 15.16 | 61.64 | 131.45 | 6.71 | 14.40 | 15.16 | 102.57 | 90.75 | 7.42 | 16.40 | 11.93 | 41.52 | 80.17 | 8.24 | 18.40 | 9.97 | 33.51 | 63.89 | 9.13 |
| 10.42 | 9.17 | 23.79 | 90.75 | 5.83 | 12.42 | 15.14 | 61.86 | 130.63 | 6.71 | 14.42 | 15.30 | 106.57 | 99.70 | 7.43 | 16.42 | 11.99 | 41.63 | 81.79 | 8.24 | 18.42 | 10.07 | 34.40 | 64.70 | 9.13 |
| 10.44 | 9.86 | 23.57 | 95.63 | 5.84 | 12.44 | 14.96 | 66.19 | 127.37 | 6.73 | 14.44 | 15.92 | 100.79 | 110.28 | 7.43 | 16.44 | 11.91 | 42.41 | 81.79 | 8.25 | 18.44 | 10.38 | 34.74 | 68.77 | 9.13 |
| 10.46 | 10.82 | 23.35 | 102.14 | 5.84 | 12.46 | 14.90 | 66.42 | 127.37 | 6.73 | 14.46 | 16.39 | 99.34 | 116.79 | 7.44 | 16.46 | 11.99 | 42.75 | 83.42 | 8.24 | 18.46 | 10.91 | 36.29 | 72.84 | 9.15 |
| 10.48 | 11.67 | 23.35 | 103.77 | 5.86 | 12.48 | 14.63 | 68.75 | 124.12 | 6.74 | 14.48 | 16.23 | 101.00 | 118.42 | 7.45 | 16.48 | 12.27 | 42.96 | 87.49 | 8.26 | 18.48 | 11.99 | 37.63 | 80.98 | 9.15 |
| 10.50 | 12.02 | 25.12 | 98.07 | 5.87 | 12.50 | 14.38 | 69.97 | 120.87 | 6.74 | 14.50 | 15.39 | 104.67 | 111.91 | 7.44 | 16.50 | 12.86 | 43.52 | 92.37 | 8.28 | 18.50 | 14.70 | 45.30 | 102.14 | 9.15 |
| 10.52 | 11.79 | 24.68 | 92.37 | 5.87 | 12.52 | 14.08 | 69.09 | 118.42 | 6.75 | 14.52 | 14.39 | 97.88 | 107.03 | 7.45 | 16.52 | 13.15 | 41.74 | 94.00 | 8.28 | 18.52 | 19.72 | 52.19 | 131.45 | 9.16 |
| 10.54 | 11.36 | 25.57 | 89.93 | 5.88 | 12.54 | 13.75 | 67.86 | 115.17 | 6.76 | 14.54 | 13.83 | 76.77 | 105.40 | 7.47 | 16.54 | 13.10 | 41.63 | 94.81 | 8.28 | 18.54 | 25.26 | 67.08 | 168.89 | 9.16 |
| 10.56 | 11.07 | 25.68 | 88.31 | 5.88 | 12.56 | 13.55 | 65.42 | 115.17 | 6.76 | 14.56 | 13.65 | 66.98 | 108.65 | 7.49 | 16.56 | 12.73 | 41.85 | 91.56 | 8.30 | 18.56 | 27.18 | 93.19 | 146.91 | 9.16 |
| 10.58 | 11.18 | 27.13 | 90.75 | 5.90 | 12.58 | 13.63 | 62.64 | 116.79 | 6.78 | 14.58 | 13.94 | 66.87 | 115.17 | 7.51 | 16.58 | 12.53 | 42.74 | 89.93 | 8.30 | 18.58 | 27.88 | 74.41 | 155.05 | 9.16 |
| 10.60 | 11.71 | 31.35 | 100.51 | 5.90 | 12.60 | 13.90 | 61.64 | 120.87 | 6.80 | 14.60 | 14.38 | 65.42 | 120.87 | 7.50 | 16.60 | 12.37 | 43.51 | 91.56 | 8.31 | 18.60 | 26.74 | 76.86 | 147.73 | 9.16 |
| 10.62 | 12.06 | 37.46 | 104.59 | 5.91 | 12.62 | 14.14 | 60.53 | 124.12 | 6.80 | 14.62 | 14.93 | 64.42 | 126.56 | 7.49 | 16.62 | 12.27 | 44.07 | 92.37 | 8.32 | 18.62 | 27.75 | 60.19 | 164.82 | 9.16 |
| 10.64 | 12.63 | 39.24 | 111.91 | 5.93 | 12.64 | 14.32 | 57.64 | 124.93 | 6.81 | 14.64 | 15.23 | 62.97 | 129.82 | 7.51 | 16.64 | 12.46 | 44.96 | 95.63 | 8.33 | 18.64 | 28.04 | 97.41 | 166.45 | 9.16 |
| 10.66 | 13.04 | 40.35 | 115.98 | 5.94 | 12.66 | 14.51 | 55.64 | 126.56 | 6.82 | 14.66 | 15.04 | 61.41 | 127.37 | 7.51 | 16.66 | 12.68 | 46.07 | 98.89 | 8.34 | 18.66 | 29.67 | 125.64 | 187.61 | 9.17 |
| 10.68 | 13.15 | 41.79 | 118.42 | 5.93 | 12.68 | 14.70 | 54.75 | 128.19 | 6.82 | 14.68 | 14.77 | 61.74 | 126.56 | 7.52 | 16.68 | 12.75 | 46.62 | 100.51 | 8.35 | 18.68 | 29.72 | 121.53 | 176.21 | 9.17 |
| 10.70 | 12.83 | 46.57 | 115.17 | 5.95 | 12.70 | 14.86 | 54.64 | 129.01 | 6.82 | 14.70 | 14.81 | 61.19 | 133.07 | 7.53 | 16.70 | 12.91 | 46.40 | 102.14 | 8.37 | 18.70 | 30.12 | 140.20 | 160.75 | 9.17 |
| 10.72 | 12.75 | 49.12 | 116.79 | 5.96 | 12.72 | 14.94 | 55.53 | 129.82 | 6.82 | 14.72 | 14.63 | 62.63 | 132.26 | 7.55 | 16.72 | 13.24 | 46.40 | 105.40 | 8.36 | 18.72 | 30.45 | 114.09 | 163.19 | 9.17 |
| 10.74 | 13.07 | 52.79 | 124.12 | 5.95 | 12.74 | 14.81 | 57.20 | 128.19 | 6.84 | 14.74 | 14.61 | 66.41 | 133.07 | 7.56 | 16.74 | 13.62 | 46.73 | 108.65 | 8.37 | 18.74 | 31.68 | 152.09 | 189.24 | 9.17 |
| 10.76 | 13.55 | 55.34 | 129.01 | 5.96 | 12.76 | 14.49 | 59.53 | 124.12 | 6.85 | 14.76 | 14.49 | 66.63 | 133.07 | 7.57 | 16.76 | 14.11 | 47.06 | 111.91 | 8.39 | 18.76 | 29.91 | 139.76 | 168.07 | 9.17 |
| 10.78 | 14.05 | 57.12 | 133.89 | 6.00 | 12.78 | 14.16 | 62.42 | 121.68 | 6.85 | 14.78 | 14.06 | 64.96 | 128.19 | 7.58 | 16.78 | 14.63 | 46.73 | 115.98 | 8.39 | 18.78 | 24.77 | 170.08 | 152.61 | 9.18 |
| 10.80 | 14.29 | 57.23 | 136.33 | 5.99 | 12.80 | 14.00 | 63.75 | 121.68 | 6.86 | 14.80 | 13.41 | 63.29 | 120.87 | 7.58 | 16.80 | 15.09 | 47.62 | 120.05 | 8.40 | 18.80 | 21.90 | 254.28 | 145.29 | 9.18 |
| 10.82 | 14.12 | 59.34 | 135.51 | 5.99 | 12.82 | 13.93 | 64.42 | 121.68 | 6.86 | 14.82 | 13.19 | 62.74 | 121.68 | 7.59 | 16.82 | 15.70 | 48.39 | 124.93 | 8.42 | 18.82 | 23.26 | 295.38 | 169.71 | 9.18 |
| 10.84 | 14.05 | 61.00 | 137.15 | 6.02 | 12.84 | 14.00 | 64.42 | 123.31 | 6.88 | 14.84 | 13.23 | 62.63 | 124.12 | 7.59 | 16.84 | 16.38 | 48.39 | 129.82 | 8.43 | 18.84 | 24.72 | 245.59 | 185.99 | 9.18 |
| 10. | | | | | | | | | | | | | | | | | | | | | | | | |

FERRARA DEPARTMENT

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SOCOTEC ITALIA Srl – P.Iva 01872430648

Headquarters: Via Bariola, 101-103 - 20020 Lainate (MI)

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www.socotec.it**COMMITTENTE:** ENGEO S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma**CANTIERE:** Strada comunale del Lino - Frescarolo - Busseto (PR)

PROVA N°: CPTU 4 PROF. FALDA (m da p.c.): 4.10

PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

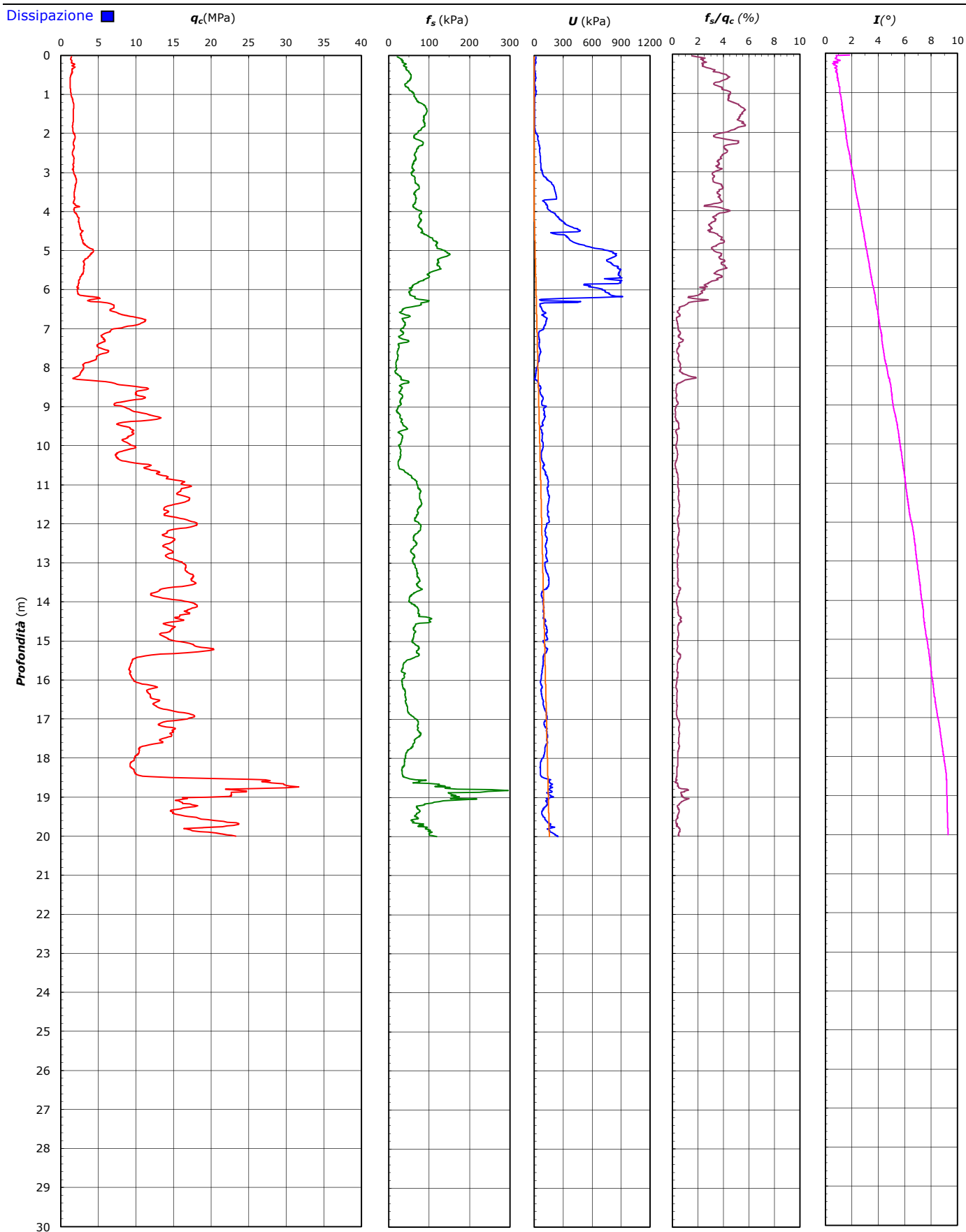
DATA: 03/03/22 PREFORO (m da p.c.): 0.02

LAT. (WGS 84): 44.977220°

LONG. (WGS 84): 10.076843°

COMMESSA: 23711FE/22

C. SITO N°: SF220210 del 08/03/202 OPERATORE: L. Formisano



FERRARA DEPARTMENT

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Tel.: +39 02 9375 0000 - Fax: +39 02 9375 0099

www.socotec.it**COMMITTENTE:** ENGEIO S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma**CANTIERE:** Strada comunale del Lino - Frescarolo - Busseto (PR)

PROVA N°: CPTU 4 PROF. FALDA (m da p.c.): 4.10 PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

DATA: 03/03/22 PREFORO (m da p.c.): 0.02 LAT. (WGS 84): 44.977220° LONG. (WGS 84): 10.076843°

COMMESSA: 23711FE/22 C. SITO N°: SF220210 del 08/03/202 OPERATORE: L. Formisano

UBICAZIONE

Località: Strada comunale del Lino - Frescarolo - Busseto (PR)



NOTE: Utilizzato 1 anello allargatore da inizio prova

FERRARA DEPARTMENT

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SOCOTEC ITALIA Srl - P.Iva 01872430648

Headquarters: Via Bariola, 101-103 - 20020 Lainate (MI)

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www.socotec.it**COMMITTENTE: ENGELO S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma****CANTIERE:** Strada Provinciale 91 - Santuario Madonna dei Prati - Busseto (PR)

PROVA N°: CPTU 5 PROF. FALDA (m da p.c.): 4.35

PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

DATA: 03/03/22

PREFORO (m da p.c.):

LAT. (WGS 84): 44.967886°

LONG. (WGS 84): 10.085115°

COMMESSA: 23711FE/22

C. SITO N°: SF220209 del 08/03/202 OPERATORE: L. Formisano

| prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi |
|---------|--------|--------|-------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|-------|-------------|
| 0.02 | 1.12 | 12.54 | 70.72 | 0.38 | 2.02 | 2.04 | 136.91 | 105.73 | 0.98 | 4.02 | 2.05 | 90.14 | 698.31 | 1.69 | 6.02 | 1.36 | 44.41 | 180.61 | 2.67 | 8.02 | 6.14 | 29.57 | 95.14 | 3.73 |
| 0.04 | 1.30 | 15.32 | 71.53 | 0.77 | 2.04 | 2.09 | 132.69 | 104.91 | 0.99 | 4.04 | 1.92 | 89.02 | 684.48 | 1.73 | 6.04 | 1.76 | 45.63 | 191.19 | 2.68 | 8.04 | 6.06 | 35.91 | 92.70 | 3.72 |
| 0.06 | 1.55 | 17.21 | 65.84 | 0.74 | 2.06 | 2.08 | 129.80 | 99.21 | 1.00 | 4.06 | 1.97 | 86.91 | 690.99 | 1.74 | 6.06 | 2.22 | 44.96 | 129.33 | 2.68 | 8.06 | 5.90 | 42.57 | 91.07 | 3.73 |
| 0.08 | 1.20 | 21.21 | 44.67 | 0.57 | 2.08 | 1.96 | 126.46 | 98.40 | 0.99 | 4.08 | 1.97 | 86.47 | 695.06 | 1.75 | 6.08 | 2.47 | 51.18 | 91.07 | 2.70 | 8.08 | 5.58 | 47.80 | 88.63 | 3.77 |
| 0.10 | 1.14 | 29.43 | 54.44 | 0.64 | 2.10 | 2.02 | 120.01 | 101.65 | 1.02 | 4.10 | 1.98 | 86.57 | 700.76 | 1.76 | 6.10 | 2.73 | 62.96 | 79.67 | 2.71 | 8.10 | 5.19 | 48.80 | 85.37 | 3.78 |
| 0.12 | 1.09 | 32.21 | 43.86 | 0.73 | 2.12 | 2.26 | 115.90 | 104.91 | 1.02 | 4.12 | 2.06 | 83.46 | 705.64 | 1.77 | 6.12 | 3.36 | 72.07 | 91.89 | 2.70 | 8.12 | 4.79 | 44.02 | 81.31 | 3.79 |
| 0.14 | 1.01 | 38.09 | 42.23 | 0.81 | 2.14 | 2.22 | 115.23 | 96.77 | 1.03 | 4.14 | 2.06 | 81.90 | 706.45 | 1.78 | 6.14 | 4.22 | 76.29 | 82.12 | 2.72 | 8.14 | 4.46 | 34.13 | 78.86 | 3.80 |
| 0.16 | 0.96 | 34.42 | 41.42 | 0.78 | 2.16 | 2.18 | 113.67 | 95.95 | 1.04 | 4.16 | 2.07 | 79.79 | 709.71 | 1.78 | 6.16 | 4.55 | 75.85 | 78.05 | 2.72 | 8.16 | 4.28 | 23.69 | 78.05 | 3.81 |
| 0.18 | 1.01 | 37.09 | 39.79 | 0.52 | 2.18 | 2.09 | 120.22 | 97.59 | 1.06 | 4.18 | 2.07 | 78.90 | 728.43 | 1.79 | 6.18 | 4.47 | 69.73 | 79.67 | 2.73 | 8.18 | 4.39 | 20.69 | 80.49 | 3.82 |
| 0.20 | 0.93 | 38.09 | 33.28 | 0.76 | 2.20 | 2.22 | 120.78 | 91.89 | 1.08 | 4.20 | 2.11 | 76.90 | 727.62 | 1.81 | 6.20 | 4.28 | 64.73 | 78.05 | 2.75 | 8.20 | 4.66 | 22.14 | 84.56 | 3.84 |
| 0.22 | 0.87 | 41.64 | 32.47 | 0.45 | 2.22 | 2.54 | 119.11 | 90.26 | 1.09 | 4.22 | 2.11 | 76.90 | 731.69 | 1.80 | 6.22 | 4.06 | 58.62 | 79.67 | 2.77 | 8.22 | 4.88 | 26.02 | 86.19 | 3.85 |
| 0.24 | 0.95 | 41.87 | 32.47 | 0.60 | 2.24 | 2.66 | 116.11 | 82.93 | 1.09 | 4.24 | 2.14 | 75.68 | 733.32 | 1.82 | 6.24 | 3.84 | 47.84 | 78.86 | 2.78 | 8.24 | 4.98 | 29.91 | 87.81 | 3.88 |
| 0.26 | 0.95 | 42.10 | 28.39 | 0.70 | 2.26 | 2.73 | 113.21 | 74.79 | 1.09 | 4.26 | 2.15 | 75.79 | 735.76 | 1.81 | 6.26 | 3.66 | 34.73 | 79.67 | 2.78 | 8.26 | 5.19 | 36.69 | 89.45 | 3.90 |
| 0.28 | 0.97 | 42.44 | 27.58 | 0.47 | 2.28 | 2.65 | 111.99 | 31.65 | 1.09 | 4.28 | 2.18 | 75.90 | 738.20 | 1.81 | 6.28 | 3.66 | 28.40 | 84.56 | 2.80 | 8.28 | 5.33 | 42.02 | 91.07 | 3.92 |
| 0.30 | 1.00 | 43.78 | 24.33 | 0.54 | 2.30 | 2.52 | 117.10 | 34.09 | 1.10 | 4.30 | 2.25 | 74.56 | 740.65 | 1.82 | 6.30 | 3.68 | 30.96 | 87.00 | 2.81 | 8.30 | 5.46 | 46.91 | 91.89 | 3.93 |
| 0.32 | 1.04 | 47.57 | 25.14 | 0.56 | 2.32 | 2.44 | 115.21 | 37.35 | 1.11 | 4.32 | 2.18 | 74.12 | 743.09 | 1.84 | 6.32 | 3.52 | 37.07 | 83.75 | 2.83 | 8.32 | 5.34 | 42.58 | 89.45 | 3.95 |
| 0.34 | 1.04 | 49.46 | 21.88 | 0.59 | 2.34 | 2.26 | 117.87 | 45.49 | 1.11 | 4.34 | 2.22 | 74.12 | 743.90 | 1.85 | 6.34 | 3.66 | 52.40 | 75.61 | 2.84 | 8.34 | 5.33 | 30.91 | 89.45 | 3.95 |
| 0.36 | 1.03 | 52.14 | 20.25 | 0.53 | 2.36 | 2.20 | 119.76 | 47.11 | 1.11 | 4.36 | 2.28 | 75.34 | 750.41 | 1.85 | 6.36 | 3.84 | 59.73 | 67.47 | 2.84 | 8.36 | 5.41 | 24.80 | 91.07 | 3.97 |
| 0.38 | 1.06 | 55.93 | 16.19 | 0.60 | 2.38 | 2.09 | 121.87 | 47.11 | 1.12 | 4.38 | 2.31 | 74.67 | 759.37 | 1.86 | 6.38 | 4.08 | 61.29 | 73.17 | 2.85 | 8.38 | 5.53 | 23.58 | 91.89 | 3.98 |
| 0.40 | 1.04 | 59.04 | 13.74 | 0.63 | 2.40 | 2.62 | 127.31 | 49.56 | 1.11 | 4.40 | 2.17 | 74.78 | 718.67 | 1.87 | 6.40 | 4.23 | 61.73 | 79.67 | 2.87 | 8.40 | 5.69 | 24.02 | 94.33 | 4.00 |
| 0.42 | 1.04 | 61.17 | 12.11 | 0.59 | 2.42 | 2.73 | 122.42 | 54.44 | 1.13 | 4.42 | 2.21 | 74.01 | 737.39 | 1.87 | 6.42 | 4.50 | 59.84 | 86.19 | 2.89 | 8.42 | 5.87 | 25.02 | 95.95 | 4.00 |
| 0.44 | 1.04 | 64.18 | 10.49 | 0.55 | 2.44 | 2.18 | 119.08 | 60.95 | 1.13 | 4.44 | 2.04 | 76.34 | 724.37 | 1.88 | 6.44 | 5.00 | 62.84 | 93.51 | 2.89 | 8.44 | 6.00 | 26.47 | 96.77 | 4.01 |
| 0.46 | 1.05 | 65.75 | 8.86 | 0.60 | 2.46 | 1.91 | 123.41 | 58.51 | 1.14 | 4.46 | 1.96 | 75.67 | 729.25 | 1.89 | 6.46 | 6.04 | 68.51 | 108.98 | 2.90 | 8.46 | 6.07 | 26.91 | 98.40 | 4.03 |
| 0.48 | 1.00 | 66.53 | 8.86 | 0.65 | 2.48 | 1.75 | 130.18 | 57.70 | 1.15 | 4.48 | 1.96 | 74.12 | 731.69 | 1.90 | 6.48 | 7.11 | 84.29 | 127.70 | 2.88 | 8.48 | 6.00 | 22.24 | 97.59 | 4.04 |
| 0.50 | 1.01 | 67.32 | 9.67 | 0.67 | 2.50 | 1.71 | 127.29 | 59.33 | 1.16 | 4.50 | 1.91 | 73.56 | 735.76 | 1.91 | 6.50 | 7.99 | 80.17 | 140.73 | 2.89 | 8.50 | 6.00 | 19.35 | 97.59 | 4.06 |
| 0.52 | 1.00 | 66.56 | 8.86 | 0.58 | 2.52 | 1.71 | 122.18 | 60.14 | 1.17 | 4.52 | 1.91 | 72.45 | 739.01 | 1.93 | 6.52 | 8.44 | 83.06 | 148.87 | 2.91 | 8.52 | 5.96 | 17.58 | 97.59 | 4.07 |
| 0.54 | 1.02 | 67.01 | 7.23 | 0.64 | 2.54 | 1.66 | 118.51 | 60.14 | 1.18 | 4.54 | 1.93 | 69.56 | 743.09 | 1.93 | 6.54 | 8.60 | 79.29 | 153.75 | 2.92 | 8.54 | 5.95 | 16.91 | 97.59 | 4.07 |
| 0.56 | 1.09 | 68.57 | 3.97 | 0.69 | 2.56 | 1.60 | 117.06 | 61.77 | 1.18 | 4.56 | 1.90 | 67.67 | 741.46 | 1.93 | 6.56 | 8.50 | 75.17 | 156.19 | 2.94 | 8.56 | 5.77 | 17.69 | 95.95 | 4.07 |
| 0.58 | 1.09 | 69.25 | 3.16 | 0.68 | 2.58 | 1.58 | 112.28 | 63.39 | 1.19 | 4.58 | 1.83 | 62.45 | 738.20 | 1.95 | 6.58 | 8.72 | 66.84 | 164.33 | 2.96 | 8.58 | 5.50 | 18.24 | 92.70 | 4.10 |
| 0.60 | 1.03 | 69.70 | 4.79 | 0.69 | 2.60 | 1.60 | 105.61 | 65.03 | 1.20 | 4.60 | 1.78 | 59.11 | 733.32 | 1.96 | 6.60 | 9.03 | 51.51 | 161.89 | 2.96 | 8.60 | 5.17 | 18.80 | 89.45 | 4.10 |
| 0.62 | 1.09 | 67.38 | 4.79 | 0.68 | 2.62 | 1.68 | 100.61 | 69.09 | 1.21 | 4.62 | 1.75 | 56.34 | 734.13 | 1.96 | 6.62 | 9.14 | 40.73 | 152.93 | 2.98 | 8.62 | 4.80 | 19.69 | 86.19 | 4.11 |
| 0.64 | 1.04 | 67.17 | 7.23 | 0.71 | 2.64 | 2.45 | 97.94 | 82.12 | 1.22 | 4.64 | 1.72 | 54.55 | 744.71 | 1.98 | 6.64 | 9.15 | 36.73 | 139.10 | 2.99 | 8.64 | 4.46 | 19.91 | 83.75 | 4.12 |
| 0.66 | 1.19 | 68.07 | 10.49 | 0.75 | 2.66 | 2.69 | 93.60 | 91.07 | 1.24 | 4.66 | 1.78 | 51.33 | 750.41 | 1.98 | 6.66 | 8.86 | 33.28 | 126.07 | 3.00 | 8.66 | 4.15 | 19.35 | 80.49 | 4.12 |
| 0.68 | 0.90 | 66.85 | 6.41 | 0.74 | 2.68 | 2.77 | 90.49 | 95.95 | 1.24 | 4.68 | 1.83 | 47.78 | 769.13 | 1.99 | 6.68 | 8.43 | 31.49 | 117.12 | 3.01 | 8.68 | 3.98 | 18.69 | 79.67 | 4.14 |
| 0.70 | 0.85 | 65.86 | 3.97 | 0.76 | 2.70 | 2.86 | 86.93 | 118.75 | 1.24 | 4.70 | 1.99 | 48.44 | 782.97 | 2.00 | 6.70 | 7.93 | 29.72 | 113.05 | 3.02 | 8.70 | 3.95 | 18.02 | 79.67 | 4.14 |
| 0.72 | 0.84 | 63.76 | 1.53 | 0.76 | 2.72 | 2.43 | 92.93 | 152.93 | 1.24 | 4.72 | 1.72 | 48.66 | 741.46 | 2.01 | 6.72 | 7.29 | 26.05 | 109.79 | 3.03 | 8.72 | 4.09 | 17.58 | 82.12 | 4.16 |
| 0.74 | 0.83 | 64.43 | 0.91 | 0.73 | 2.74 | 2.43 | 91.15 | 212.36 | 1.23 | 4.74 | 1.69 | 48.78 | 752.04 | 2.03 | 6.74 | 6.74 | 22.94 | 108.98 | 3.05 | 8.74 | 4.23 | 18.91 | 84.56 | 4.17 |
| 0.76 | 0.83 | 64.22 | 0.09 | 0.78 | 2.76 | 2.42 | 89.82 | 230.27 | 1.24 | 4.76 | 1.72 | 49.11 | 762.62 | 2.03 | 6.76 | 6.15 | 20.16 | 107.35 | 3.05 | 8.76 | 4.46 | 19.24 | 87.00 | 4.18 |
| 0.78 | 0.85 | 63.01 | 2.35 | 0.74 | 2.78 | 2.39 | 87.37 | 240.03 | 1.23 | 4.78 | 1.88 | 49.44 | 786.23 | 2.03 | 6.78 | 5.62 | 18.71 | 106.54 | 3.06 | 8.78 | 4.76 | 20.35 | 91.07 | 4.21 |
| 0.80 | 0.84 | 60.79 | 6.41 | 0.73 | 2.80 | 2.39 | 85.82 | 270.15 | 1.24 | 4.80 | 1.91 | 50.23 | 787.85 | 2.05 | 6.80 | 5.26 | 18.93 | 105.73 | 3.07 | 8.80 | 5.15 | 19.69 | 93.51 | 4.22 |
| 0.82 | 0.86 | 58.91 | 9.67 | 0.76 | 2.82 | 2.37 | 93.04 | 285.62 | 1.24 | 4.82 | 1.91 | 49.56 | 781.35 | 2.06 | 6.82 | 5.14 | 21.81 | 108.98 | 3.05 | 8.82 | 5.44 | 21.80 | 95.95 | 4.22 |
| 0.84 | 0.86 | 56.69 | 8.86 | 0.82 | 2.84 | 2.43 | 93.59 | 292.95 | 1.23 | 4.84 | 2.05 | 51.67 | 791.93 | 2.07 | 6.84 | 5.43 | 25.93 | 117.12 | 3.07 | 8.84 | 5.63 | 24.24 | 96.77 | 4.24 |
| 0.86 | 0.89 | 56.15 | 8.05 | 0.81 | 2.86 | 2.51 | 88.15 | 316.55 | 1.23 | 4.86 | 2.63 | 54.45 | 831.81 | 2.08 | 6.86 | 6.06 | 33.92 | 129.33 | 3.07 | 8.86 | 5.82 | 27.47 | 98.40 | 4.23 |
| 0.88 | 0.89 | 55.49 | 5.60 | 0.80 | 2.88 | 2.64 | 83.15 | | | | | | | | | | | | | | | | | |

FERRARA DEPARTMENT

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www.socotec.it**COMMITTENTE: ENGELO S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma****CANTIERE: Strada Provinciale 91 - Santuario Madonna dei Prati - Busseto (PR)**

PROVA N°: CPTU 5 PROF. FALDA (m da p.c.): 4.35 PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

DATA: 03/03/22 PREFORO (m da p.c.): LAT. (WGS 84): 44.967886° LONG. (WGS 84): 10.085115°

COMMESSA: 23711FE/22 C. SITO N°: SF220209 del 08/03/202 OPERATORE: L. Formisano

| prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi |
|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|-------|-------------|---------|--------|---------|--------|-------------|---------|--------|--------|--------|-------------|
| 10.02 | 16.85 | 58.89 | 156.19 | 4.85 | 12.02 | 18.41 | 68.83 | 174.91 | 5.86 | 14.02 | 10.00 | 49.08 | 52.00 | 6.73 | 16.02 | 12.33 | 89.06 | 74.79 | 7.70 | 18.02 | 15.69 | 42.34 | 184.68 | 8.98 |
| 10.04 | 16.68 | 61.12 | 146.43 | 4.85 | 12.04 | 18.38 | 66.72 | 170.03 | 5.86 | 14.04 | 9.93 | 49.08 | 48.75 | 6.73 | 16.04 | 11.94 | 77.83 | 73.98 | 7.71 | 18.04 | 15.31 | 51.79 | 178.99 | 9.00 |
| 10.06 | 16.55 | 62.57 | 143.98 | 4.87 | 12.06 | 18.03 | 59.77 | 117.12 | 5.88 | 14.06 | 9.83 | 48.75 | 47.11 | 6.75 | 16.06 | 11.53 | 72.73 | 72.35 | 7.74 | 18.06 | 14.77 | 67.02 | 177.35 | 9.00 |
| 10.08 | 16.46 | 62.79 | 143.17 | 4.88 | 12.08 | 18.30 | 58.55 | 113.87 | 5.90 | 14.08 | 9.75 | 44.95 | 44.67 | 6.75 | 16.08 | 11.28 | 69.62 | 58.51 | 7.76 | 18.08 | 14.21 | 60.46 | 165.15 | 8.99 |
| 10.10 | 16.27 | 63.79 | 143.17 | 4.89 | 12.10 | 18.25 | 62.11 | 109.79 | 5.90 | 14.10 | 9.67 | 44.28 | 21.88 | 6.80 | 16.10 | 10.82 | 69.41 | 52.81 | 7.76 | 18.10 | 14.17 | 60.22 | 164.33 | 8.98 |
| 10.12 | 16.16 | 63.01 | 144.79 | 4.92 | 12.12 | 18.53 | 71.00 | 111.42 | 5.91 | 14.12 | 9.67 | 43.51 | 20.25 | 6.80 | 16.12 | 10.44 | 68.19 | 49.56 | 7.77 | 18.12 | 14.25 | 63.34 | 133.40 | 8.99 |
| 10.14 | 16.08 | 62.23 | 147.24 | 4.93 | 12.14 | 19.02 | 78.23 | 115.49 | 5.89 | 14.14 | 9.77 | 43.29 | 18.63 | 6.81 | 16.14 | 10.09 | 64.41 | 47.11 | 7.78 | 18.14 | 14.25 | 62.01 | 124.45 | 9.00 |
| 10.16 | 16.16 | 61.34 | 151.31 | 4.92 | 12.16 | 19.50 | 82.89 | 119.56 | 5.89 | 14.16 | 9.90 | 42.29 | 17.81 | 6.83 | 16.16 | 9.82 | 63.30 | 46.30 | 7.79 | 18.16 | 14.47 | 65.23 | 129.33 | 8.99 |
| 10.18 | 16.23 | 60.12 | 156.19 | 4.94 | 12.18 | 19.65 | 83.78 | 121.19 | 5.91 | 14.18 | 10.01 | 41.07 | 17.00 | 6.82 | 16.18 | 9.84 | 62.96 | 46.30 | 7.80 | 18.18 | 13.97 | 64.79 | 121.19 | 9.00 |
| 10.20 | 16.43 | 58.90 | 164.33 | 4.94 | 12.20 | 19.72 | 86.23 | 121.19 | 5.91 | 14.20 | 10.26 | 40.74 | 16.19 | 6.83 | 16.20 | 8.25 | 63.97 | 50.37 | 7.82 | 18.20 | 13.85 | 57.34 | 120.37 | 9.01 |
| 10.22 | 16.50 | 58.23 | 169.21 | 4.96 | 12.22 | 20.00 | 95.12 | 126.89 | 5.92 | 14.22 | 10.55 | 40.85 | 17.00 | 6.84 | 16.22 | 9.36 | 62.08 | 60.14 | 7.82 | 18.22 | 13.98 | 57.67 | 124.45 | 9.00 |
| 10.24 | 16.42 | 57.78 | 172.47 | 4.96 | 12.24 | 21.02 | 108.67 | 140.73 | 5.92 | 14.24 | 10.88 | 41.85 | 17.00 | 6.86 | 16.24 | 10.65 | 69.52 | 66.65 | 7.85 | 18.24 | 14.09 | 57.12 | 126.89 | 9.00 |
| 10.26 | 16.10 | 58.67 | 170.85 | 4.97 | 12.26 | 21.50 | 90.34 | 145.61 | 5.93 | 14.26 | 11.25 | 42.52 | 17.81 | 6.86 | 16.26 | 12.55 | 77.97 | 78.86 | 7.85 | 18.26 | 14.28 | 56.67 | 130.96 | 9.01 |
| 10.28 | 16.23 | 55.89 | 176.54 | 4.98 | 12.28 | 21.73 | 92.23 | 150.49 | 5.92 | 14.28 | 11.74 | 44.30 | 19.44 | 6.88 | 16.28 | 15.24 | 105.63 | 104.91 | 7.85 | 18.28 | 14.46 | 57.78 | 136.65 | 9.01 |
| 10.30 | 16.67 | 53.99 | 183.87 | 4.97 | 12.30 | 20.07 | 95.00 | 133.40 | 5.92 | 14.30 | 12.44 | 46.86 | 22.69 | 6.88 | 16.30 | 15.55 | 111.19 | 107.35 | 7.86 | 18.30 | 14.68 | 55.33 | 143.98 | 9.00 |
| 10.32 | 17.07 | 55.99 | 197.71 | 5.01 | 12.32 | 20.86 | 91.33 | 146.43 | 5.94 | 14.32 | 13.12 | 50.53 | 25.14 | 6.88 | 16.32 | 15.92 | 100.97 | 110.61 | 7.89 | 18.32 | 14.80 | 57.44 | 148.05 | 9.04 |
| 10.34 | 17.02 | 62.32 | 184.68 | 5.01 | 12.34 | 20.67 | 94.56 | 144.79 | 5.96 | 14.34 | 13.44 | 52.75 | 25.95 | 6.90 | 16.34 | 18.52 | 100.08 | 126.07 | 7.91 | 18.34 | 14.71 | 57.99 | 150.49 | 9.01 |
| 10.36 | 16.92 | 66.65 | 178.17 | 5.01 | 12.36 | 20.44 | 99.55 | 143.17 | 5.96 | 14.36 | 13.62 | 54.64 | 26.77 | 6.90 | 16.36 | 20.03 | 114.54 | 142.35 | 7.95 | 18.36 | 14.69 | 58.21 | 155.38 | 9.02 |
| 10.38 | 17.34 | 61.31 | 178.99 | 5.03 | 12.38 | 20.06 | 103.22 | 139.10 | 5.98 | 14.38 | 13.43 | 58.97 | 25.14 | 6.92 | 16.38 | 20.57 | 81.32 | 153.75 | 7.98 | 18.38 | 14.72 | 59.21 | 161.89 | 9.02 |
| 10.40 | 17.57 | 59.31 | 174.91 | 5.03 | 12.40 | 19.60 | 108.21 | 135.84 | 5.97 | 14.40 | 13.11 | 63.75 | 23.51 | 6.92 | 16.40 | 19.77 | 101.88 | 148.05 | 7.98 | 18.40 | 14.77 | 59.54 | 166.77 | 9.03 |
| 10.42 | 17.46 | 58.53 | 170.03 | 5.04 | 12.42 | 19.09 | 113.99 | 132.59 | 5.99 | 14.42 | 12.86 | 70.53 | 25.14 | 6.94 | 16.42 | 19.15 | 89.22 | 137.47 | 8.00 | 18.42 | 14.86 | 60.87 | 170.03 | 9.03 |
| 10.44 | 17.75 | 59.09 | 178.17 | 5.06 | 12.44 | 18.74 | 114.88 | 131.77 | 5.99 | 14.44 | 12.29 | 79.20 | 21.07 | 6.94 | 16.44 | 19.25 | 61.10 | 178.99 | 8.03 | 18.44 | 14.94 | 61.98 | 162.71 | 9.04 |
| 10.46 | 17.40 | 61.64 | 178.17 | 5.08 | 12.46 | 18.43 | 109.88 | 130.96 | 6.00 | 14.46 | 11.86 | 84.87 | 20.25 | 6.96 | 16.46 | 16.59 | 185.55 | 122.82 | 8.04 | 18.46 | 14.94 | 63.97 | 165.15 | 9.04 |
| 10.48 | 18.01 | 56.08 | 183.05 | 5.09 | 12.48 | 18.15 | 104.54 | 130.15 | 6.01 | 14.48 | 11.75 | 87.98 | 20.25 | 6.97 | 16.48 | 14.28 | 192.98 | 100.03 | 8.04 | 18.48 | 14.75 | 64.08 | 166.77 | 9.04 |
| 10.50 | 17.74 | 63.75 | 174.10 | 5.09 | 12.50 | 17.82 | 101.53 | 129.33 | 6.01 | 14.50 | 11.61 | 87.42 | 20.25 | 6.98 | 16.50 | 13.37 | 187.32 | 98.40 | 8.07 | 18.50 | 14.78 | 63.74 | 165.15 | 9.04 |
| 10.52 | 17.67 | 65.64 | 178.17 | 5.11 | 12.52 | 17.52 | 96.98 | 127.70 | 6.03 | 14.52 | 11.51 | 85.64 | 20.25 | 6.98 | 16.52 | 13.39 | 163.32 | 103.28 | 8.09 | 18.52 | 14.70 | 62.85 | 170.85 | 9.04 |
| 10.54 | 17.71 | 68.86 | 187.13 | 5.12 | 12.54 | 17.06 | 91.97 | 124.45 | 6.03 | 14.54 | 11.53 | 84.64 | 20.25 | 7.00 | 16.54 | 13.23 | 134.99 | 107.35 | 8.10 | 18.54 | 14.49 | 66.41 | 172.47 | 9.05 |
| 10.56 | 17.74 | 71.86 | 192.82 | 5.14 | 12.56 | 16.77 | 87.08 | 124.45 | 6.04 | 14.56 | 11.62 | 83.86 | 21.88 | 7.00 | 16.56 | 13.29 | 127.87 | 111.42 | 8.11 | 18.56 | 13.98 | 62.73 | 166.77 | 9.05 |
| 10.58 | 18.03 | 71.52 | 201.77 | 5.15 | 12.58 | 16.64 | 84.08 | 124.45 | 6.04 | 14.58 | 11.94 | 75.19 | 23.51 | 7.00 | 16.58 | 13.61 | 126.20 | 117.93 | 8.13 | 18.58 | 14.12 | 63.73 | 163.52 | 9.05 |
| 10.60 | 18.44 | 74.96 | 213.17 | 5.16 | 12.60 | 16.57 | 82.85 | 124.45 | 6.05 | 14.60 | 12.28 | 69.30 | 25.95 | 7.02 | 16.60 | 13.95 | 67.74 | 127.70 | 8.18 | 18.60 | 14.50 | 79.07 | 166.77 | 9.05 |
| 10.62 | 18.85 | 80.07 | 226.19 | 5.18 | 12.62 | 16.67 | 80.29 | 125.26 | 6.06 | 14.62 | 12.84 | 65.85 | 30.02 | 7.02 | 16.62 | 13.65 | 50.07 | 127.70 | 8.17 | 18.62 | 14.18 | 80.07 | 164.33 | 9.05 |
| 10.64 | 19.42 | 72.62 | 194.45 | 5.18 | 12.64 | 16.76 | 77.74 | 127.70 | 6.07 | 14.64 | 13.65 | 65.96 | 34.09 | 7.03 | 16.64 | 13.54 | 49.06 | 129.33 | 8.21 | 18.64 | 14.57 | 66.85 | 168.40 | 9.06 |
| 10.66 | 19.45 | 79.73 | 202.59 | 5.18 | 12.66 | 16.76 | 75.62 | 127.70 | 6.07 | 14.66 | 14.60 | 67.29 | 39.79 | 7.05 | 16.66 | 13.42 | 40.73 | 133.40 | 8.23 | 18.66 | 15.79 | 76.73 | 202.59 | 9.06 |
| 10.68 | 19.69 | 75.51 | 210.73 | 5.20 | 12.68 | 16.67 | 72.29 | 126.07 | 6.09 | 14.68 | 15.27 | 72.29 | 44.67 | 7.04 | 16.68 | 13.60 | 40.39 | 142.35 | 8.24 | 18.68 | 15.58 | 81.73 | 191.19 | 9.07 |
| 10.70 | 19.87 | 78.17 | 217.24 | 5.21 | 12.70 | 16.62 | 71.18 | 126.07 | 6.10 | 14.70 | 15.38 | 81.51 | 43.86 | 7.07 | 16.70 | 13.34 | 37.17 | 144.79 | 8.27 | 18.70 | 15.68 | 69.95 | 200.15 | 9.07 |
| 10.72 | 19.90 | 78.61 | 213.17 | 5.23 | 12.72 | 16.52 | 69.16 | 125.26 | 6.11 | 14.72 | 16.01 | 84.06 | 56.89 | 7.07 | 16.72 | 13.02 | 35.50 | 143.17 | 8.28 | 18.72 | 16.12 | 73.06 | 212.36 | 9.08 |
| 10.74 | 20.01 | 79.50 | 209.91 | 5.23 | 12.74 | 16.41 | 69.51 | 123.63 | 6.12 | 14.74 | 15.91 | 86.84 | 54.44 | 6.95 | 16.74 | 13.18 | 36.72 | 149.68 | 8.30 | 18.74 | 15.98 | 60.84 | 198.52 | 9.08 |
| 10.76 | 20.12 | 80.61 | 205.03 | 5.25 | 12.76 | 16.49 | 69.18 | 125.26 | 6.13 | 14.76 | 15.83 | 73.95 | 52.00 | 7.08 | 16.76 | 13.27 | 40.61 | 156.19 | 8.31 | 18.76 | 15.75 | 64.51 | 193.63 | 9.08 |
| 10.78 | 20.19 | 81.49 | 200.96 | 5.27 | 12.78 | 16.75 | 69.18 | 129.33 | 6.14 | 14.78 | 16.28 | 71.18 | 57.70 | 7.08 | 16.78 | 13.43 | 36.83 | 155.38 | 8.33 | 18.78 | 15.82 | 66.40 | 196.08 | 9.09 |
| 10.80 | 20.24 | 76.82 | 200.96 | 5.28 | 12.80 | 16.92 | 68.84 | 130.96 | 6.16 | 14.80 | 16.25 | 79.17 | 58.51 | 7.10 | 16.80 | 14.30 | 49.05 | 172.47 | 8.33 | 18.80 | 15.94 | 65.73 | 198.52 | 9.09 |
| 10.82 | 20.33 | 76.27 | 200.15 | 5.28 | 12.82 | 17.05 | 68.62 | 132.59 | 6.16 | 14.82 | 16.07 | 78.28 | 58.51 | 7.10 | 16.82 | 14.50 | 71.38</ | | | | | | | |

FERRARA DEPARTMENT

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Headquarters: Via Bariola, 101-103 - 20020 Lainate (MI)

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www.socotec.it**COMMITTENTE:** ENGEO S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma**CANTIERE:** Strada Provinciale 91 - Santuario Madonna dei Prati - Busseto (PR)

PROVA N°: CPTU 5 PROF. FALDA (m da p.c.): 4.35

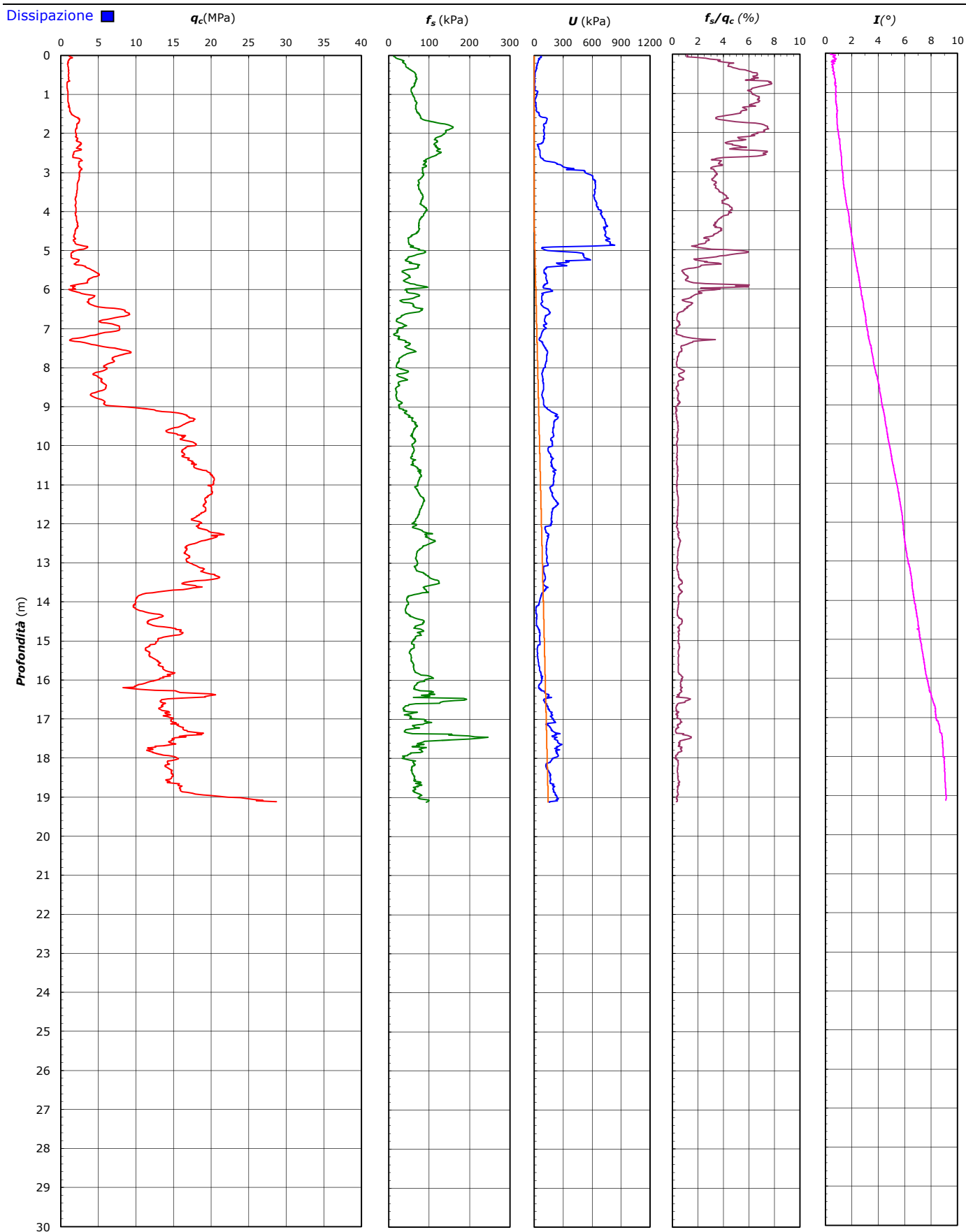
PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

DATA: 03/03/22 PREFORO (m da p.c.):

LAT. (WGS 84): 44.967886°

LONG. (WGS 84): 10.085115°

COMMESSA: 23711FE/22 C. SITO N°: SF220209 del 08/03/202 OPERATORE: L. Formisano



Il Responsabile Prove in Sito:
dott. Massimo Romagnoli

FERRARA DEPARTMENT

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COMMITTENTE: ENGEО S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma

CANTIERE: Strada Provinciale 91 - Santuario Madonna dei Prati - Busseto (PR)

PROVA N°: CPTU 5 PROF. FALDA (m da p.c.): 4.35 PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

DATA: 03/03/22 PREFORO (m da p.c.): LAT. (WGS 84): 44.967886° LONG. (WGS 84): 10.085115°

COMMESSA: 23711FE/22 C. SITO N°: SF220209 del 08/03/202 OPERATORE: L. Formisano

UBICAZIONE

Località: Strada Provinciale 91 - Santuario Madonna dei Prati - Busseto (PR)



NOTE: Utilizzato 1 anello allargatore da inizio prova

FERRARA DEPARTMENT

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www.socotec.it**COMMITTENTE: ENGELO S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma****CANTIERE: Frazione Semoriva- Busseto (PR)**

PROVA N°: CPTU 6 PROF. FALDA (m da p.c.): 3.10

PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

DATA: 03/03/22

PREFORO (m da p.c.):

LAT. (WGS 84): 44.955180° LONG. (WGS 84): 10.051947°

COMMESSA: 23711FE/22

C. SITO N°: SF220200 del 08/03/202 OPERATORE: L. Formisano

| prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi |
|---------|--------|--------|-------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|
| 0.02 | 1.51 | 15.41 | 10.41 | 1.08 | 2.02 | 1.44 | 93.21 | 1.46 | 1.08 | 4.02 | 2.21 | 100.60 | 503.70 | 1.85 | 6.02 | 2.21 | 110.24 | 397.07 | 2.70 | 8.02 | 2.14 | 84.85 | 509.40 | 3.55 |
| 0.04 | 1.76 | 17.64 | 7.16 | 1.02 | 2.04 | 1.46 | 94.66 | 1.46 | 1.06 | 4.04 | 2.19 | 103.16 | 501.26 | 1.84 | 6.04 | 2.22 | 112.13 | 398.69 | 2.71 | 8.04 | 2.32 | 85.21 | 506.95 | 3.57 |
| 0.06 | 2.14 | 20.86 | 8.79 | 0.99 | 2.06 | 1.52 | 95.87 | 2.27 | 1.08 | 4.06 | 2.21 | 108.05 | 500.45 | 1.86 | 6.06 | 2.27 | 113.35 | 397.07 | 2.73 | 8.06 | 2.37 | 84.65 | 510.21 | 3.57 |
| 0.08 | 2.29 | 23.75 | 5.53 | 0.57 | 2.08 | 1.52 | 98.10 | 3.91 | 1.09 | 4.08 | 2.08 | 109.71 | 495.56 | 1.86 | 6.08 | 2.24 | 116.24 | 403.58 | 2.75 | 8.08 | 2.38 | 84.98 | 511.03 | 3.58 |
| 0.10 | 2.46 | 29.53 | 16.11 | 0.86 | 2.10 | 1.57 | 98.76 | 5.53 | 1.07 | 4.10 | 2.02 | 109.71 | 495.56 | 1.87 | 6.10 | 2.16 | 115.57 | 401.13 | 2.76 | 8.10 | 2.30 | 84.98 | 507.77 | 3.61 |
| 0.12 | 1.87 | 30.52 | 2.27 | 0.44 | 2.12 | 1.63 | 99.32 | 6.35 | 1.08 | 4.12 | 1.94 | 110.27 | 493.12 | 1.89 | 6.12 | 2.17 | 113.46 | 401.95 | 2.77 | 8.12 | 2.31 | 83.76 | 506.95 | 3.61 |
| 0.14 | 1.92 | 31.64 | 9.60 | 0.60 | 2.14 | 1.74 | 100.31 | 7.97 | 1.10 | 4.14 | 1.92 | 107.82 | 497.19 | 1.90 | 6.14 | 2.22 | 112.79 | 406.83 | 2.78 | 8.14 | 2.31 | 84.54 | 506.95 | 3.63 |
| 0.16 | 1.68 | 34.41 | 8.79 | 0.37 | 2.16 | 1.81 | 104.53 | 11.23 | 1.09 | 4.16 | 1.98 | 103.48 | 504.51 | 1.92 | 6.16 | 2.30 | 112.68 | 412.53 | 2.80 | 8.16 | 2.29 | 84.87 | 505.33 | 3.63 |
| 0.18 | 1.51 | 35.64 | 5.53 | 0.38 | 2.18 | 1.82 | 109.09 | 12.86 | 1.09 | 4.18 | 2.01 | 96.92 | 509.40 | 1.92 | 6.18 | 2.33 | 112.12 | 425.55 | 2.81 | 8.18 | 2.26 | 86.99 | 507.77 | 3.64 |
| 0.20 | 1.65 | 41.75 | 7.97 | 0.37 | 2.20 | 1.82 | 113.53 | 15.30 | 1.11 | 4.20 | 2.05 | 90.70 | 514.28 | 1.94 | 6.20 | 2.39 | 110.67 | 428.81 | 2.81 | 8.20 | 2.29 | 88.87 | 506.14 | 3.65 |
| 0.22 | 1.75 | 51.53 | 8.79 | 0.42 | 2.22 | 1.79 | 118.42 | 18.55 | 1.10 | 4.22 | 2.08 | 90.59 | 515.91 | 1.93 | 6.22 | 2.44 | 106.67 | 431.25 | 2.81 | 8.22 | 2.31 | 89.54 | 506.95 | 3.65 |
| 0.24 | 1.94 | 59.64 | 9.60 | 0.53 | 2.24 | 1.76 | 123.19 | 20.19 | 1.13 | 4.24 | 2.00 | 85.25 | 509.40 | 1.96 | 6.24 | 2.47 | 107.22 | 434.51 | 2.83 | 8.24 | 2.29 | 90.43 | 508.59 | 3.65 |
| 0.26 | 1.94 | 73.09 | 7.97 | 0.68 | 2.26 | 1.72 | 128.19 | 21.00 | 1.12 | 4.26 | 1.98 | 79.58 | 510.21 | 1.96 | 6.26 | 2.44 | 109.00 | 434.51 | 2.83 | 8.26 | 2.29 | 90.76 | 510.21 | 3.67 |
| 0.28 | 2.04 | 85.20 | 6.35 | 0.56 | 2.28 | 1.78 | 131.96 | 25.07 | 1.13 | 4.28 | 1.95 | 79.24 | 511.03 | 1.96 | 6.28 | 2.37 | 114.00 | 433.69 | 2.84 | 8.28 | 2.26 | 89.32 | 510.21 | 3.67 |
| 0.30 | 2.05 | 93.87 | 6.35 | 0.57 | 2.30 | 1.82 | 135.07 | 29.95 | 1.13 | 4.30 | 1.87 | 80.91 | 511.03 | 1.98 | 6.30 | 2.34 | 120.22 | 436.14 | 2.85 | 8.30 | 2.21 | 82.99 | 504.51 | 3.67 |
| 0.32 | 1.70 | 96.87 | 4.72 | 0.54 | 2.32 | 1.80 | 137.07 | 37.28 | 1.12 | 4.32 | 1.91 | 84.57 | 513.47 | 1.98 | 6.32 | 2.37 | 124.89 | 438.58 | 2.86 | 8.32 | 2.12 | 77.87 | 500.45 | 3.68 |
| 0.34 | 1.69 | 102.99 | 3.91 | 0.63 | 2.34 | 1.75 | 139.51 | 41.35 | 1.14 | 4.34 | 1.93 | 88.46 | 515.91 | 2.00 | 6.34 | 2.31 | 129.33 | 439.39 | 2.86 | 8.34 | 2.02 | 71.54 | 497.19 | 3.69 |
| 0.36 | 1.66 | 112.44 | 1.46 | 0.61 | 2.36 | 1.75 | 140.06 | 41.35 | 1.15 | 4.36 | 1.86 | 94.90 | 514.28 | 2.00 | 6.36 | 2.37 | 132.11 | 441.83 | 2.85 | 8.36 | 1.92 | 66.76 | 491.49 | 3.71 |
| 0.38 | 1.61 | 116.67 | 0.98 | 0.61 | 2.38 | 1.75 | 134.83 | 40.53 | 1.15 | 4.38 | 1.83 | 99.12 | 514.28 | 2.01 | 6.38 | 2.39 | 128.66 | 444.28 | 2.86 | 8.38 | 1.88 | 61.10 | 491.49 | 3.71 |
| 0.40 | 1.60 | 118.33 | 2.61 | 0.63 | 2.40 | 1.70 | 128.50 | 40.53 | 1.17 | 4.40 | 1.81 | 104.45 | 513.47 | 2.01 | 6.40 | 2.40 | 127.88 | 445.09 | 2.86 | 8.40 | 1.96 | 54.87 | 498.00 | 3.71 |
| 0.42 | 1.55 | 117.90 | 5.05 | 0.61 | 2.42 | 1.65 | 125.16 | 42.16 | 1.16 | 4.42 | 1.77 | 108.01 | 511.03 | 2.03 | 6.42 | 2.37 | 127.66 | 446.72 | 2.88 | 8.42 | 2.12 | 49.32 | 511.84 | 3.72 |
| 0.44 | 1.56 | 114.79 | 5.87 | 0.63 | 2.44 | 1.68 | 120.27 | 47.05 | 1.18 | 4.44 | 1.77 | 112.00 | 511.84 | 2.03 | 6.44 | 2.37 | 126.65 | 448.35 | 2.88 | 8.44 | 2.42 | 43.43 | 530.56 | 3.73 |
| 0.46 | 1.43 | 107.79 | 5.87 | 0.63 | 2.46 | 1.69 | 118.60 | 56.81 | 1.18 | 4.46 | 1.81 | 113.67 | 515.91 | 2.05 | 6.46 | 2.42 | 124.87 | 453.23 | 2.89 | 8.46 | 2.83 | 40.10 | 552.54 | 3.73 |
| 0.48 | 1.42 | 106.24 | 6.68 | 0.61 | 2.48 | 1.72 | 117.48 | 64.95 | 1.19 | 4.48 | 1.80 | 114.00 | 515.91 | 2.05 | 6.48 | 2.51 | 126.32 | 458.93 | 2.91 | 8.48 | 3.26 | 38.88 | 575.33 | 3.75 |
| 0.50 | 1.37 | 104.25 | 7.49 | 0.66 | 2.50 | 1.85 | 116.15 | 69.03 | 1.18 | 4.50 | 1.76 | 112.88 | 516.73 | 2.06 | 6.50 | 2.65 | 130.54 | 471.95 | 2.92 | 8.50 | 3.74 | 42.66 | 571.26 | 3.75 |
| 0.52 | 1.44 | 104.14 | 8.31 | 0.67 | 2.52 | 2.02 | 111.59 | 72.28 | 1.21 | 4.52 | 1.79 | 111.99 | 519.17 | 2.07 | 6.52 | 2.78 | 129.64 | 480.91 | 2.94 | 8.52 | 3.96 | 51.11 | 344.15 | 3.75 |
| 0.54 | 1.36 | 101.48 | 9.93 | 0.64 | 2.54 | 2.09 | 103.14 | 73.09 | 1.22 | 4.54 | 1.81 | 111.32 | 520.79 | 2.07 | 6.54 | 2.84 | 126.98 | 496.37 | 2.94 | 8.54 | 4.07 | 60.55 | 207.41 | 3.77 |
| 0.56 | 1.33 | 102.60 | 10.75 | 0.67 | 2.56 | 2.07 | 95.14 | 73.91 | 1.23 | 4.56 | 1.84 | 110.43 | 523.23 | 2.09 | 6.56 | 2.98 | 122.64 | 500.45 | 2.95 | 8.56 | 4.17 | 70.33 | 154.49 | 3.78 |
| 0.58 | 1.28 | 102.49 | 11.56 | 0.66 | 2.58 | 2.07 | 93.47 | 77.98 | 1.25 | 4.58 | 1.89 | 109.21 | 525.68 | 2.09 | 6.58 | 2.98 | 120.19 | 503.70 | 2.96 | 8.58 | 4.36 | 84.00 | 116.23 | 3.79 |
| 0.60 | 1.27 | 103.05 | 12.37 | 0.69 | 2.60 | 2.04 | 94.91 | 92.63 | 1.24 | 4.60 | 1.88 | 108.42 | 528.93 | 2.09 | 6.60 | 2.92 | 117.52 | 505.33 | 2.97 | 8.60 | 4.69 | 93.67 | 98.33 | 3.80 |
| 0.62 | 1.25 | 103.39 | 13.19 | 0.66 | 2.62 | 2.07 | 92.02 | 104.84 | 1.26 | 4.62 | 1.96 | 104.87 | 531.37 | 2.11 | 6.62 | 2.85 | 112.75 | 505.33 | 2.99 | 8.62 | 5.06 | 99.78 | 88.56 | 3.80 |
| 0.64 | 1.25 | 105.17 | 13.19 | 0.71 | 2.64 | 2.14 | 90.24 | 124.37 | 1.24 | 4.64 | 1.96 | 103.64 | 533.01 | 2.12 | 6.64 | 2.73 | 113.08 | 502.07 | 2.98 | 8.64 | 5.38 | 100.56 | 84.49 | 3.81 |
| 0.66 | 1.26 | 107.95 | 13.19 | 0.67 | 2.66 | 2.13 | 87.68 | 172.40 | 1.26 | 4.66 | 1.93 | 103.20 | 533.82 | 2.12 | 6.66 | 2.60 | 112.74 | 515.09 | 2.99 | 8.66 | 5.65 | 99.12 | 82.86 | 3.82 |
| 0.68 | 1.31 | 107.96 | 12.37 | 0.70 | 2.68 | 2.14 | 88.24 | 212.29 | 1.26 | 4.68 | 1.93 | 102.53 | 535.45 | 2.13 | 6.68 | 2.58 | 109.96 | 514.28 | 3.00 | 8.68 | 5.90 | 95.67 | 80.42 | 3.82 |
| 0.70 | 1.35 | 107.85 | 13.19 | 0.70 | 2.70 | 2.17 | 85.46 | 247.29 | 1.26 | 4.70 | 1.93 | 103.63 | 537.07 | 2.16 | 6.70 | 2.50 | 111.29 | 512.65 | 3.01 | 8.70 | 6.09 | 93.00 | 75.53 | 3.84 |
| 0.72 | 1.44 | 107.07 | 11.56 | 0.70 | 2.72 | 2.16 | 82.23 | 277.41 | 1.29 | 4.72 | 1.91 | 105.85 | 537.07 | 2.16 | 6.72 | 2.36 | 113.85 | 505.33 | 3.02 | 8.72 | 6.23 | 90.67 | 71.47 | 3.84 |
| 0.74 | 1.52 | 107.64 | 11.56 | 0.74 | 2.74 | 2.14 | 78.68 | 292.06 | 1.30 | 4.74 | 1.89 | 106.63 | 537.89 | 2.17 | 6.74 | 2.31 | 113.51 | 505.33 | 3.02 | 8.74 | 6.30 | 88.34 | 70.65 | 3.86 |
| 0.76 | 1.53 | 108.08 | 12.37 | 0.71 | 2.76 | 2.13 | 78.45 | 296.95 | 1.31 | 4.76 | 1.88 | 107.85 | 537.89 | 2.18 | 6.76 | 2.42 | 108.96 | 514.28 | 3.03 | 8.76 | 6.30 | 86.22 | 69.03 | 3.86 |
| 0.78 | 1.55 | 110.31 | 12.37 | 0.75 | 2.78 | 2.08 | 78.68 | 301.83 | 1.29 | 4.78 | 1.88 | 108.62 | 537.07 | 2.17 | 6.78 | 2.47 | 108.40 | 519.17 | 3.04 | 8.78 | 6.23 | 84.55 | 66.58 | 3.88 |
| 0.80 | 1.52 | 112.42 | 14.01 | 0.73 | 2.80 | 2.08 | 77.34 | 302.64 | 1.32 | 4.80 | 1.83 | 107.85 | 537.07 | 2.19 | 6.80 | 2.50 | 110.07 | 524.05 | 3.04 | 8.80 | 6.15 | 83.67 | 64.14 | 3.89 |
| 0.82 | 1.47 | 112.76 | 14.01 | 0.73 | 2.82 | 2.11 | 76.01 | 305.09 | 1.31 | 4.82 | 1.83 | 106.07 | 537.07 | 2.21 | 6.82 | 2.53 | 111.29 | 525.68 | 3.05 | 8.82 | 6.02 | 81.44 | 61.70 | 3.89 |
| 0.84 | 1.44 | 112.32 | 13.19 | 0.71 | 2.84 | 2.08 | 79.12 | 318.11 | 1.32 | 4.84 | 1.81 | 104.28 | 536.26 | 2.21 | 6.84 | 2.55 | 111.40 | 526.49 | 3.06 | 8.84 | 5.91 | 80.33 | 60.07 | 3.90 |
| 0.86 | 1.35 | 109.54 | 14.82 | 0.72 | 2.86 | 2.06 | 81.45 | 323.81 | 1.32 | 4.86 | 1.79 | 101.95 | 537.89 | 2.22 | 6.86</ | | | | | | | | | |

FERRARA DEPARTMENT

Via Annibale Zucchini, 69 - 44122 Ferrara (FE)

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SOCOTEC ITALIA Srl - P.Iva 01872430648

Headquarters: Via Bariola, 101-103 - 20020 Lainate (MI)

Tel.: +39 02 9375 0000 - Fax: +39 02 9375 0099

www.socotec.it**COMMITTENTE: ENGELO S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma****CANTIERE: Frazione Semoriva- Busseto (PR)**

PROVA N°: CPTU 6 PROF. FALDA (m da p.c.): 3.10

PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

DATA: 03/03/22 PREFORO (m da p.c.): LAT. (WGS 84): 44.955180° LONG. (WGS 84): 10.051947°

COMMESSA: 23711FE/22 C. SITO N°: SF220200 del 08/03/202 OPERATORE: L. Formisano

| prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi |
|---------|--------|--------|--------|-------------|---------|--------|--------|-------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|
| 10.02 | 4.41 | 66.04 | 290.43 | 4.46 | 12.02 | 11.72 | 38.79 | 61.70 | 5.61 | 14.02 | 14.12 | 89.15 | 138.21 | 6.55 | 16.02 | 14.65 | 152.39 | 208.76 | 7.66 | 18.02 | 17.41 | 168.12 | 142.29 | 8.35 |
| 10.04 | 3.76 | 49.30 | 248.92 | 4.47 | 12.04 | 10.95 | 32.82 | 56.81 | 5.62 | 14.04 | 13.99 | 88.82 | 136.59 | 6.55 | 16.04 | 14.96 | 146.03 | 185.16 | 7.67 | 18.04 | 17.33 | 167.14 | 118.68 | 8.37 |
| 10.06 | 3.47 | 45.75 | 241.59 | 4.48 | 12.06 | 10.27 | 31.71 | 52.75 | 5.63 | 14.06 | 13.77 | 88.82 | 134.96 | 6.56 | 16.06 | 15.27 | 139.67 | 161.55 | 7.68 | 18.06 | 17.26 | 166.15 | 95.07 | 8.39 |
| 10.08 | 3.25 | 47.19 | 235.89 | 4.50 | 12.08 | 9.67 | 32.38 | 50.30 | 5.64 | 14.08 | 14.10 | 86.98 | 90.19 | 6.58 | 16.08 | 15.57 | 133.87 | 146.35 | 7.69 | 18.08 | 17.19 | 165.17 | 71.47 | 8.42 |
| 10.10 | 3.19 | 52.08 | 232.64 | 4.51 | 12.10 | 9.26 | 34.60 | 48.67 | 5.66 | 14.10 | 14.44 | 83.76 | 90.19 | 6.60 | 16.10 | 15.92 | 125.81 | 97.51 | 7.72 | 18.10 | 17.81 | 104.51 | 65.77 | 8.41 |
| 10.12 | 3.25 | 70.08 | 233.45 | 4.53 | 12.12 | 8.94 | 34.72 | 47.86 | 5.66 | 14.12 | 14.71 | 80.77 | 91.00 | 6.60 | 16.12 | 16.20 | 121.15 | 99.14 | 7.72 | 18.12 | 18.08 | 88.41 | 62.51 | 8.41 |
| 10.14 | 3.51 | 85.41 | 239.15 | 4.55 | 12.14 | 8.75 | 35.38 | 47.05 | 5.68 | 14.14 | 14.90 | 79.54 | 91.00 | 6.61 | 16.14 | 16.04 | 123.48 | 95.89 | 7.73 | 18.14 | 19.92 | 87.52 | 71.47 | 8.43 |
| 10.16 | 3.55 | 89.19 | 238.33 | 4.55 | 12.16 | 8.54 | 34.05 | 47.05 | 5.68 | 14.16 | 14.96 | 78.99 | 92.63 | 6.60 | 16.16 | 16.63 | 122.15 | 99.14 | 7.73 | 18.16 | 21.76 | 86.63 | 80.42 | 8.46 |
| 10.18 | 3.44 | 91.64 | 235.08 | 4.56 | 12.18 | 8.40 | 32.94 | 46.23 | 5.68 | 14.18 | 14.63 | 80.10 | 92.63 | 6.62 | 16.18 | 16.99 | 111.04 | 100.77 | 7.74 | 18.18 | 23.26 | 95.18 | 87.75 | 8.47 |
| 10.20 | 3.25 | 94.31 | 229.38 | 4.58 | 12.20 | 8.40 | 33.94 | 47.05 | 5.70 | 14.20 | 14.34 | 82.10 | 91.81 | 6.63 | 16.20 | 17.16 | 102.26 | 103.21 | 7.76 | 18.20 | 24.70 | 98.96 | 102.40 | 8.46 |
| 10.22 | 3.21 | 98.31 | 227.75 | 4.59 | 12.22 | 8.67 | 34.05 | 48.67 | 5.71 | 14.22 | 13.82 | 84.54 | 90.19 | 6.63 | 16.22 | 17.13 | 96.48 | 104.03 | 7.76 | 18.22 | 24.21 | 97.74 | 99.95 | 8.48 |
| 10.24 | 3.29 | 102.31 | 228.57 | 4.60 | 12.24 | 9.03 | 34.71 | 50.30 | 5.72 | 14.24 | 13.26 | 86.87 | 88.56 | 6.65 | 16.24 | 16.64 | 98.59 | 104.03 | 7.77 | 18.24 | 23.92 | 111.51 | 104.84 | 8.48 |
| 10.26 | 3.38 | 100.20 | 230.19 | 4.60 | 12.26 | 9.38 | 33.37 | 50.30 | 5.74 | 14.26 | 12.91 | 87.31 | 88.56 | 6.65 | 16.26 | 15.84 | 101.59 | 102.40 | 7.77 | 18.26 | 23.13 | 119.84 | 112.17 | 8.48 |
| 10.28 | 3.41 | 102.08 | 230.19 | 4.61 | 12.28 | 9.36 | 35.71 | 51.11 | 5.74 | 14.28 | 12.82 | 86.98 | 88.56 | 6.67 | 16.28 | 15.78 | 97.14 | 104.03 | 7.78 | 18.28 | 21.36 | 144.62 | 114.61 | 8.49 |
| 10.30 | 3.44 | 104.19 | 231.01 | 4.63 | 12.30 | 9.12 | 37.92 | 50.30 | 5.76 | 14.30 | 12.79 | 84.98 | 89.37 | 6.67 | 16.30 | 15.81 | 95.81 | 105.65 | 7.79 | 18.30 | 19.79 | 145.50 | 112.17 | 8.50 |
| 10.32 | 3.46 | 108.31 | 230.19 | 4.64 | 12.32 | 8.76 | 34.26 | 48.67 | 5.76 | 14.32 | 12.74 | 82.31 | 89.37 | 6.68 | 16.32 | 15.78 | 97.81 | 107.28 | 7.80 | 18.32 | 17.85 | 135.72 | 105.65 | 8.51 |
| 10.34 | 3.48 | 108.19 | 230.19 | 4.65 | 12.34 | 8.49 | 31.59 | 47.86 | 5.77 | 14.34 | 12.77 | 78.64 | 90.19 | 6.69 | 16.34 | 16.00 | 96.36 | 108.91 | 7.80 | 18.34 | 16.20 | 125.50 | 103.21 | 8.51 |
| 10.36 | 3.62 | 101.41 | 232.64 | 4.67 | 12.36 | 7.81 | 29.92 | 45.42 | 5.78 | 14.36 | 12.94 | 74.53 | 91.81 | 6.70 | 16.36 | 15.78 | 96.58 | 109.73 | 7.82 | 18.36 | 14.34 | 124.61 | 96.70 | 8.54 |
| 10.38 | 3.78 | 97.41 | 235.89 | 4.68 | 12.38 | 6.94 | 24.15 | 42.97 | 5.79 | 14.38 | 13.64 | 70.09 | 97.51 | 6.71 | 16.38 | 15.56 | 96.58 | 109.73 | 7.82 | 18.38 | 13.55 | 108.60 | 100.77 | 8.52 |
| 10.40 | 4.16 | 97.52 | 243.22 | 4.69 | 12.40 | 6.25 | 23.59 | 40.53 | 5.81 | 14.40 | 13.83 | 71.53 | 98.33 | 6.71 | 16.40 | 15.59 | 94.91 | 112.17 | 7.84 | 18.40 | 13.12 | 92.38 | 99.14 | 8.54 |
| 10.42 | 4.82 | 99.75 | 253.80 | 4.70 | 12.42 | 5.81 | 29.59 | 39.72 | 5.82 | 14.42 | 14.04 | 76.09 | 98.33 | 6.73 | 16.42 | 15.71 | 91.57 | 113.79 | 7.85 | 18.42 | 12.69 | 76.15 | 97.51 | 8.57 |
| 10.44 | 5.52 | 100.85 | 264.39 | 4.72 | 12.44 | 5.62 | 30.26 | 38.91 | 5.83 | 14.44 | 14.48 | 76.19 | 103.21 | 6.73 | 16.44 | 15.65 | 89.91 | 114.61 | 7.86 | 18.44 | 12.97 | 69.15 | 107.28 | 8.56 |
| 10.46 | 6.14 | 102.63 | 272.53 | 4.73 | 12.46 | 5.36 | 30.37 | 38.09 | 5.84 | 14.46 | 14.92 | 76.30 | 108.09 | 6.74 | 16.46 | 15.77 | 90.46 | 117.87 | 7.87 | 18.46 | 11.70 | 65.03 | 98.33 | 8.56 |
| 10.48 | 6.76 | 98.96 | 282.29 | 4.75 | 12.48 | 5.25 | 30.48 | 38.09 | 5.84 | 14.48 | 14.48 | 89.97 | 105.65 | 6.75 | 16.48 | 16.12 | 88.34 | 119.49 | 7.89 | 18.48 | 11.54 | 87.14 | 98.33 | 8.57 |
| 10.50 | 7.14 | 94.74 | 287.17 | 4.76 | 12.50 | 5.28 | 34.48 | 38.09 | 5.85 | 14.50 | 15.70 | 93.08 | 113.79 | 6.75 | 16.50 | 16.68 | 85.23 | 121.93 | 7.89 | 18.50 | 11.28 | 76.46 | 99.14 | 8.59 |
| 10.52 | 7.01 | 103.40 | 285.55 | 4.76 | 12.52 | 5.44 | 49.26 | 38.91 | 5.84 | 14.52 | 16.92 | 96.19 | 121.93 | 6.76 | 16.52 | 17.22 | 81.12 | 125.19 | 7.91 | 18.52 | 11.44 | 75.79 | 101.59 | 8.58 |
| 10.54 | 6.77 | 89.73 | 283.11 | 4.78 | 12.54 | 6.41 | 77.59 | 42.97 | 5.83 | 14.54 | 17.91 | 97.07 | 129.26 | 6.78 | 16.54 | 17.92 | 79.12 | 129.26 | 7.91 | 18.54 | 11.39 | 76.79 | 102.40 | 8.60 |
| 10.56 | 6.45 | 72.18 | 281.48 | 4.80 | 12.56 | 9.08 | 90.48 | 52.75 | 5.84 | 14.56 | 18.40 | 94.63 | 134.15 | 6.80 | 16.56 | 18.76 | 86.46 | 133.33 | 7.94 | 18.56 | 11.39 | 78.22 | 101.59 | 8.61 |
| 10.58 | 6.34 | 53.95 | 282.29 | 4.82 | 12.58 | 10.98 | 84.92 | 58.44 | 5.86 | 14.58 | 18.83 | 94.07 | 139.84 | 6.82 | 16.58 | 20.68 | 89.35 | 141.47 | 7.95 | 18.58 | 11.50 | 74.89 | 101.59 | 8.61 |
| 10.60 | 6.75 | 46.84 | 295.31 | 4.83 | 12.60 | 11.34 | 76.92 | 57.63 | 5.86 | 14.60 | 19.07 | 95.19 | 145.54 | 6.84 | 16.60 | 21.76 | 82.91 | 129.26 | 7.96 | 18.60 | 11.74 | 68.78 | 102.40 | 8.64 |
| 10.62 | 7.41 | 47.62 | 306.71 | 4.84 | 12.62 | 11.79 | 73.92 | 58.44 | 5.86 | 14.62 | 18.99 | 94.63 | 145.54 | 6.84 | 16.62 | 22.94 | 86.92 | 146.35 | 7.96 | 18.62 | 11.74 | 55.78 | 102.40 | 8.66 |
| 10.64 | 7.66 | 55.40 | 309.97 | 4.85 | 12.64 | 12.35 | 72.92 | 60.89 | 5.86 | 14.64 | 19.46 | 128.30 | 159.38 | 6.84 | 16.64 | 24.11 | 90.92 | 163.45 | 8.01 | 18.64 | 11.72 | 53.00 | 101.59 | 8.65 |
| 10.66 | 8.15 | 64.29 | 319.73 | 4.87 | 12.66 | 12.58 | 69.14 | 61.70 | 5.87 | 14.66 | 18.65 | 148.18 | 152.05 | 6.85 | 16.66 | 20.86 | 99.82 | 118.68 | 8.03 | 18.66 | 11.79 | 50.89 | 102.40 | 8.66 |
| 10.68 | 8.52 | 65.84 | 327.06 | 4.88 | 12.68 | 12.39 | 72.70 | 60.89 | 5.89 | 14.68 | 18.95 | 149.62 | 161.01 | 6.86 | 16.68 | 19.61 | 99.15 | 108.09 | 8.02 | 18.68 | 11.77 | 50.01 | 102.40 | 8.67 |
| 10.70 | 8.59 | 60.51 | 331.13 | 4.89 | 12.70 | 12.66 | 67.59 | 61.70 | 5.89 | 14.70 | 18.92 | 146.28 | 165.89 | 6.88 | 16.70 | 19.20 | 119.38 | 104.03 | 8.05 | 18.70 | 11.60 | 48.56 | 100.77 | 8.69 |
| 10.72 | 8.53 | 53.17 | 332.76 | 4.90 | 12.72 | 12.93 | 67.15 | 64.14 | 5.92 | 14.72 | 18.92 | 144.39 | 172.40 | 6.88 | 16.72 | 19.98 | 113.60 | 108.09 | 8.06 | 18.72 | 11.65 | 47.23 | 101.59 | 8.69 |
| 10.74 | 8.34 | 45.95 | 334.39 | 4.91 | 12.74 | 13.27 | 67.04 | 66.58 | 5.91 | 14.74 | 18.56 | 140.60 | 171.59 | 6.90 | 16.74 | 20.58 | 115.82 | 112.98 | 8.09 | 18.74 | 11.69 | 47.34 | 102.40 | 8.70 |
| 10.76 | 8.25 | 41.40 | 336.83 | 4.92 | 12.76 | 13.33 | 68.48 | 68.21 | 5.91 | 14.76 | 17.44 | 131.49 | 169.15 | 6.90 | 16.76 | 20.87 | 110.83 | 113.79 | 8.11 | 18.76 | 11.77 | 46.79 | 102.40 | 8.71 |
| 10.78 | 8.09 | 40.06 | 338.46 | 4.93 | 12.78 | 13.27 | 73.71 | 69.03 | 5.93 | 14.78 | 15.96 | 121.48 | 163.45 | 6.93 | 16.78 | 20.95 | 116.14 | 114.61 | 8.12 | 18.78 | 11.81 | 47.79 | 104.03 | 8.72 |
| 10.80 | 7.77 | 40.28 | 338.46 | 4.93 | 12.80 | 13.32 | 71.71 | 70.65 | 5.94 | 14.80 | 14.85 | 111.82 | 158.57 | 6.93 | 16.80 | 21.06 | 110.46 | 117.05 | 8.13 | 18.80 | 11.57 | 49.46 | 101.59 | 8.74 |
| 10.82 | 7.45 | 38.28 | 336.83 | 4.94 | 12.82 | 13.44 | 66.04 | 73.09 | 5.94 | 14.82 | 14.11 | 103.48 | 156.93 | 6.93 | 16.82 | 21.19 | 87.24 | 119.49 | 8.14 | 18.82 | 11.92 | 47.46 | 103.21 | 8. |

FERRARA DEPARTMENT

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www.socotec.it**COMMITTENTE:** ENGEO S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma**CANTIERE:** Frazione Semoriva- Busseto (PR)

PROVA N°: CPTU 6 PROF. FALDA (m da p.c.): 3.10

PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

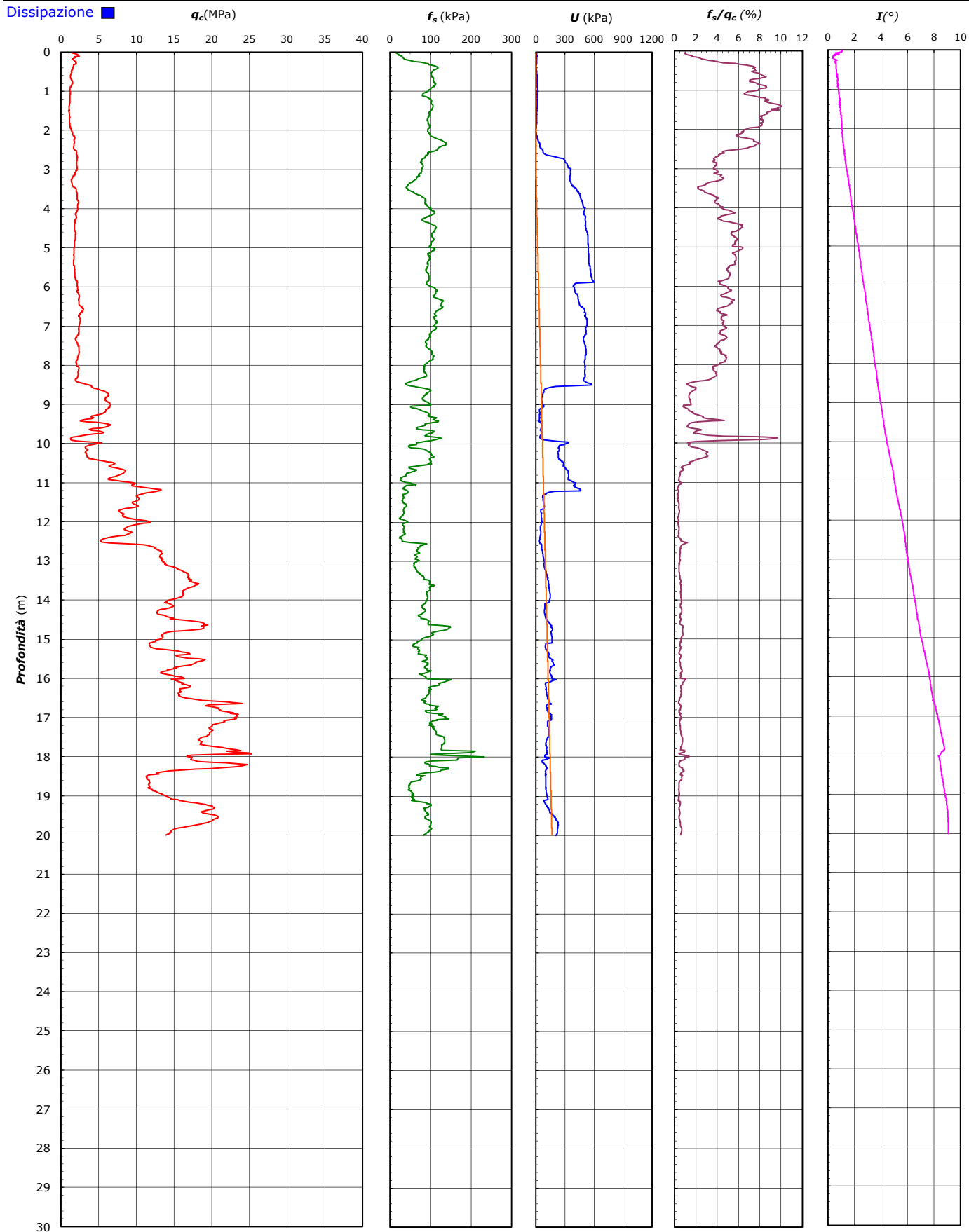
DATA: 03/03/22 PREFORO (m da p.c.):

LAT. (WGS 84): 44.955180° LONG. (WGS 84): 10.051947°

COMMESSA: 23711FE/22

C. SITO N°: SF220200 del 08/03/202 OPERATORE: L. Formisano

Dissipazione ■



Il Responsabile Prove in Sito:
dott. Massimo Romagnoli

FERRARA DEPARTMENT

Via Annibale Zucchini, 69 – 44122 Ferrara (FE)

Tel.: +39 0532 56771 - Fax.: +39 0532 56119

SOCOTEC ITALIA Srl – P.Iva 01872430648

Headquarters: Via Bariola, 101-103 - 20020 Lainate (MI)

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COMMITTENTE: ENGEО S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma

CANTIERE: Frazione Semoriva- Busseto (PR)

PROVA N°: CPTU 6 PROF. FALDA (m da p.c.): 3.10 PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

DATA: 03/03/22 PREFORO (m da p.c.): LAT. (WGS 84): 44.955180° LONG. (WGS 84): 10.051947°

COMMESSA: 23711FE/22 C. SITO N°: SF220200 del 08/03/202 OPERATORE: L. Formisano

UBICAZIONE

Località: Frazione Semoriva- Busseto (PR)



NOTE: Utilizzato 1 anello allargatore da inizio prova

FERRARA DEPARTMENT

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SOCOTEC ITALIA Srl - P.Iva 01872430648

Headquarters: Via Bariola, 101-103 - 20020 Lainate (MI)

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www.socotec.it**COMMITTENTE: ENGE O S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma****CANTIERE: Via Arturo Toscanini 60 - Roncole Verdi (PR)**

PROVA N°: CPTU 7 PROF. FALDA (m da p.c.): 5.30

PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

DATA: 01/03/22

PREFORO (m da p.c.):

LAT. (WGS 84): 44.952721°

LONG. (WGS 84): 10.070445°

COMMESSA: 23711FE/22

C. SITO N°: SF220192 del 04/03/202 OPERATORE: L. Formisano

| prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi |
|---------|--------|--------|-------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|
| 0.02 | 1.52 | 12.33 | 25.33 | 0.68 | 2.02 | 2.67 | 68.40 | 130.67 | 1.00 | 4.02 | 3.20 | 99.79 | 652.00 | 1.87 | 6.02 | 4.04 | 55.75 | 364.00 | 2.71 | 8.02 | 7.42 | 57.63 | 128.00 | 3.75 |
| 0.04 | 1.88 | 16.33 | 24.67 | 0.41 | 2.04 | 2.70 | 69.40 | 130.00 | 1.01 | 4.04 | 3.21 | 94.34 | 663.33 | 1.88 | 6.04 | 3.39 | 56.97 | 324.00 | 2.72 | 8.04 | 6.06 | 57.08 | 122.00 | 3.76 |
| 0.06 | 2.01 | 23.88 | 25.33 | 0.47 | 2.06 | 2.60 | 68.29 | 130.00 | 1.02 | 4.06 | 3.26 | 90.56 | 676.67 | 1.88 | 6.06 | 2.87 | 65.97 | 317.33 | 2.73 | 8.06 | 5.45 | 57.52 | 122.67 | 3.77 |
| 0.08 | 1.93 | 33.88 | 25.33 | 0.61 | 2.08 | 2.68 | 80.73 | 133.33 | 1.03 | 4.08 | 3.29 | 84.56 | 688.00 | 1.89 | 6.08 | 2.66 | 76.08 | 316.67 | 2.73 | 8.08 | 5.40 | 81.41 | 123.33 | 3.79 |
| 0.10 | 1.72 | 45.99 | 23.33 | 0.45 | 2.10 | 2.81 | 89.17 | 136.67 | 1.03 | 4.10 | 3.29 | 79.12 | 695.33 | 1.90 | 6.10 | 2.74 | 79.64 | 330.67 | 2.74 | 8.10 | 6.59 | 101.85 | 137.33 | 3.81 |
| 0.12 | 1.63 | 55.99 | 23.33 | 0.59 | 2.12 | 2.87 | 91.62 | 152.67 | 1.03 | 4.12 | 3.48 | 76.89 | 700.00 | 1.91 | 6.12 | 3.12 | 75.97 | 342.00 | 2.74 | 8.12 | 7.74 | 96.85 | 145.33 | 3.83 |
| 0.14 | 1.53 | 60.66 | 23.33 | 0.50 | 2.14 | 2.95 | 93.62 | 170.00 | 1.04 | 4.14 | 3.36 | 74.23 | 445.33 | 1.91 | 6.14 | 3.63 | 67.86 | 345.33 | 2.75 | 8.14 | 8.26 | 97.52 | 150.00 | 3.84 |
| 0.16 | 1.50 | 66.77 | 22.67 | 0.50 | 2.16 | 3.08 | 92.28 | 163.33 | 1.05 | 4.16 | 3.02 | 74.67 | 242.67 | 1.92 | 6.16 | 3.95 | 63.97 | 346.67 | 2.76 | 8.16 | 8.51 | 94.40 | 152.67 | 3.86 |
| 0.18 | 1.45 | 69.55 | 22.67 | 0.47 | 2.18 | 3.08 | 91.06 | 163.33 | 1.06 | 4.18 | 2.80 | 74.45 | 294.67 | 1.94 | 6.18 | 4.15 | 66.20 | 348.00 | 2.76 | 8.18 | 8.62 | 90.18 | 155.33 | 3.87 |
| 0.20 | 1.40 | 71.77 | 22.67 | 0.55 | 2.20 | 3.01 | 91.05 | 163.33 | 1.07 | 4.20 | 2.67 | 74.12 | 347.33 | 1.93 | 6.20 | 4.39 | 68.08 | 354.00 | 2.77 | 8.20 | 8.69 | 80.95 | 158.00 | 3.89 |
| 0.22 | 1.36 | 71.99 | 22.67 | 0.52 | 2.22 | 2.93 | 91.83 | 163.33 | 1.08 | 4.22 | 2.63 | 70.67 | 406.67 | 1.94 | 6.22 | 4.12 | 73.19 | 350.00 | 2.78 | 8.22 | 8.78 | 66.06 | 161.33 | 3.91 |
| 0.24 | 1.34 | 69.21 | 23.33 | 0.47 | 2.24 | 2.85 | 95.94 | 163.33 | 1.08 | 4.24 | 2.67 | 66.89 | 468.67 | 1.95 | 6.24 | 3.49 | 81.53 | 342.67 | 2.78 | 8.24 | 8.78 | 48.61 | 164.67 | 3.93 |
| 0.26 | 1.28 | 67.54 | 22.67 | 0.49 | 2.26 | 2.79 | 102.05 | 167.33 | 1.08 | 4.26 | 2.80 | 63.89 | 526.67 | 1.95 | 6.26 | 2.91 | 95.08 | 332.67 | 2.79 | 8.26 | 8.65 | 39.94 | 165.33 | 3.94 |
| 0.28 | 1.26 | 64.65 | 23.33 | 0.49 | 2.28 | 2.77 | 108.60 | 176.67 | 1.10 | 4.28 | 2.93 | 62.12 | 541.33 | 1.96 | 6.28 | 2.47 | 103.08 | 342.67 | 2.81 | 8.28 | 8.25 | 46.04 | 164.67 | 3.95 |
| 0.30 | 1.22 | 63.42 | 23.33 | 0.52 | 2.30 | 2.75 | 116.82 | 188.67 | 1.11 | 4.30 | 2.93 | 62.67 | 544.67 | 1.96 | 6.30 | 2.31 | 95.85 | 349.33 | 2.82 | 8.30 | 7.76 | 57.04 | 167.33 | 3.98 |
| 0.32 | 1.26 | 60.20 | 23.33 | 0.50 | 2.32 | 2.78 | 121.70 | 193.33 | 1.12 | 4.32 | 2.85 | 63.12 | 550.67 | 1.98 | 6.32 | 2.29 | 83.97 | 354.67 | 2.82 | 8.32 | 7.90 | 61.26 | 172.67 | 4.01 |
| 0.34 | 1.60 | 57.08 | 24.67 | 0.49 | 2.34 | 2.83 | 126.03 | 196.00 | 1.12 | 4.34 | 2.86 | 61.23 | 553.33 | 1.98 | 6.34 | 2.47 | 75.63 | 364.67 | 2.82 | 8.34 | 7.88 | 63.26 | 170.67 | 4.02 |
| 0.36 | 1.79 | 51.97 | 24.67 | 0.49 | 2.36 | 2.86 | 130.48 | 198.67 | 1.14 | 4.36 | 2.75 | 67.23 | 560.67 | 2.00 | 6.36 | 2.40 | 65.41 | 367.33 | 2.84 | 8.36 | 8.06 | 74.04 | 176.00 | 4.03 |
| 0.38 | 1.94 | 46.52 | 24.67 | 0.46 | 2.38 | 2.89 | 132.70 | 199.33 | 1.15 | 4.38 | 2.71 | 66.34 | 563.33 | 2.00 | 6.38 | 2.29 | 57.07 | 366.00 | 2.84 | 8.38 | 8.18 | 70.48 | 178.00 | 4.04 |
| 0.40 | 1.49 | 49.07 | 22.67 | 0.48 | 2.40 | 2.94 | 133.80 | 205.33 | 1.15 | 4.40 | 2.77 | 65.01 | 567.33 | 2.01 | 6.40 | 2.17 | 52.29 | 366.00 | 2.85 | 8.40 | 7.72 | 68.14 | 174.67 | 4.04 |
| 0.42 | 1.47 | 50.96 | 25.33 | 0.47 | 2.42 | 2.95 | 135.35 | 206.67 | 1.16 | 4.42 | 2.75 | 67.23 | 570.00 | 2.01 | 6.42 | 2.15 | 51.96 | 369.33 | 2.86 | 8.42 | 7.05 | 60.58 | 172.67 | 4.06 |
| 0.44 | 1.44 | 52.95 | 24.67 | 0.47 | 2.44 | 2.96 | 137.90 | 208.00 | 1.17 | 4.44 | 2.87 | 66.45 | 575.33 | 2.02 | 6.44 | 2.15 | 47.96 | 370.00 | 2.87 | 8.44 | 6.62 | 49.58 | 172.00 | 4.08 |
| 0.46 | 1.41 | 55.62 | 25.33 | 0.47 | 2.46 | 2.96 | 141.78 | 211.33 | 1.18 | 4.46 | 2.79 | 65.79 | 574.67 | 2.03 | 6.46 | 2.20 | 44.18 | 372.00 | 2.88 | 8.46 | 6.48 | 39.58 | 174.00 | 4.10 |
| 0.48 | 1.39 | 59.06 | 25.33 | 0.47 | 2.48 | 2.99 | 145.67 | 217.33 | 1.19 | 4.48 | 2.85 | 63.34 | 592.67 | 2.04 | 6.48 | 2.42 | 44.51 | 376.67 | 2.89 | 8.48 | 6.45 | 36.13 | 177.33 | 4.11 |
| 0.50 | 1.36 | 60.83 | 26.00 | 0.47 | 2.50 | 3.04 | 148.22 | 218.00 | 1.20 | 4.50 | 2.67 | 62.01 | 582.00 | 2.05 | 6.50 | 2.77 | 45.96 | 384.00 | 2.90 | 8.50 | 6.18 | 39.02 | 176.67 | 4.11 |
| 0.52 | 1.35 | 62.49 | 26.00 | 0.47 | 2.52 | 3.04 | 150.32 | 220.00 | 1.20 | 4.52 | 2.66 | 61.79 | 584.67 | 2.06 | 6.52 | 2.91 | 42.96 | 384.67 | 2.91 | 8.52 | 5.56 | 51.24 | 172.00 | 4.12 |
| 0.54 | 1.38 | 59.38 | 25.33 | 0.49 | 2.54 | 3.02 | 152.76 | 222.00 | 1.21 | 4.54 | 2.61 | 61.79 | 583.33 | 2.07 | 6.54 | 2.72 | 42.62 | 378.67 | 2.91 | 8.54 | 5.13 | 63.57 | 170.67 | 4.14 |
| 0.56 | 1.41 | 60.26 | 26.00 | 0.49 | 2.56 | 3.02 | 153.76 | 226.00 | 1.23 | 4.56 | 2.58 | 62.12 | 584.67 | 2.07 | 6.56 | 2.50 | 46.07 | 373.33 | 2.92 | 8.56 | 5.13 | 81.35 | 170.67 | 4.15 |
| 0.58 | 1.48 | 60.93 | 26.67 | 0.48 | 2.58 | 3.05 | 152.20 | 228.67 | 1.23 | 4.58 | 2.60 | 62.01 | 587.33 | 2.09 | 6.58 | 2.39 | 51.07 | 376.67 | 2.93 | 8.58 | 5.79 | 101.90 | 182.00 | 4.16 |
| 0.60 | 1.55 | 61.92 | 26.67 | 0.51 | 2.60 | 3.17 | 149.85 | 239.33 | 1.24 | 4.60 | 2.61 | 62.45 | 590.67 | 2.09 | 6.60 | 2.40 | 54.62 | 383.33 | 2.94 | 8.60 | 6.82 | 111.45 | 190.67 | 4.17 |
| 0.62 | 1.63 | 64.25 | 28.67 | 0.49 | 2.62 | 3.26 | 149.51 | 262.67 | 1.25 | 4.62 | 2.58 | 61.79 | 590.67 | 2.11 | 6.62 | 2.47 | 52.18 | 386.67 | 2.94 | 8.62 | 7.60 | 117.67 | 196.00 | 4.19 |
| 0.64 | 1.66 | 68.13 | 29.33 | 0.50 | 2.64 | 3.39 | 146.95 | 294.00 | 1.25 | 4.64 | 2.53 | 59.67 | 592.00 | 2.12 | 6.64 | 2.40 | 53.51 | 386.67 | 2.96 | 8.64 | 7.97 | 118.22 | 199.33 | 4.19 |
| 0.66 | 1.69 | 72.35 | 29.33 | 0.49 | 2.66 | 3.51 | 142.06 | 294.00 | 1.27 | 4.66 | 2.52 | 59.34 | 592.67 | 2.12 | 6.66 | 2.37 | 57.07 | 390.67 | 2.97 | 8.66 | 8.00 | 109.00 | 200.67 | 4.20 |
| 0.68 | 1.74 | 76.46 | 30.00 | 0.48 | 2.68 | 3.54 | 144.17 | 295.33 | 1.27 | 4.68 | 2.53 | 58.90 | 594.67 | 2.14 | 6.68 | 2.39 | 53.18 | 391.33 | 2.98 | 8.68 | 7.74 | 91.22 | 199.33 | 4.22 |
| 0.70 | 1.75 | 81.34 | 29.33 | 0.48 | 2.70 | 3.60 | 148.72 | 297.33 | 1.28 | 4.70 | 2.60 | 58.01 | 599.33 | 2.14 | 6.70 | 2.34 | 50.40 | 390.00 | 2.99 | 8.70 | 7.61 | 73.44 | 200.00 | 4.23 |
| 0.72 | 1.80 | 85.67 | 28.67 | 0.47 | 2.72 | 3.62 | 154.71 | 301.33 | 1.29 | 4.72 | 2.66 | 55.56 | 602.00 | 2.15 | 6.72 | 2.28 | 51.40 | 388.00 | 3.00 | 8.72 | 7.60 | 49.77 | 202.00 | 4.24 |
| 0.74 | 1.83 | 89.55 | 28.67 | 0.50 | 2.74 | 3.66 | 157.26 | 302.00 | 1.30 | 4.74 | 2.67 | 55.34 | 604.67 | 2.16 | 6.74 | 2.17 | 50.96 | 386.00 | 3.01 | 8.74 | 7.71 | 43.54 | 206.67 | 4.25 |
| 0.76 | 1.84 | 93.55 | 29.33 | 0.49 | 2.76 | 3.66 | 161.04 | 303.33 | 1.30 | 4.76 | 2.74 | 55.34 | 606.67 | 2.17 | 6.76 | 2.10 | 50.40 | 384.67 | 3.01 | 8.76 | 7.66 | 46.43 | 209.33 | 4.26 |
| 0.78 | 1.86 | 97.32 | 30.00 | 0.47 | 2.78 | 3.63 | 165.14 | 305.33 | 1.31 | 4.78 | 2.74 | 56.79 | 608.00 | 2.18 | 6.78 | 2.04 | 52.52 | 384.00 | 3.02 | 8.78 | 7.47 | 50.54 | 206.00 | 4.28 |
| 0.80 | 1.92 | 99.98 | 32.67 | 0.48 | 2.80 | 3.58 | 168.25 | 306.00 | 1.31 | 4.80 | 2.74 | 56.79 | 608.67 | 2.19 | 6.80 | 2.07 | 49.07 | 387.33 | 3.03 | 8.80 | 7.69 | 73.87 | 209.33 | 4.29 |
| 0.82 | 1.99 | 101.64 | 34.00 | 0.48 | 2.82 | 3.50 | 168.69 | 306.67 | 1.32 | 4.82 | 2.69 | 58.67 | 607.33 | 2.20 | 6.82 | 2.20 | 47.07 | 393.33 | 3.04 | 8.82 | 8.56 | 86.32 | 218.67 | 4.30 |
| 0.84 | 2.05 | 103.08 | 37.33 | 0.49 | 2.84 | 3.37 | 166.46 | 307.33 | 1.33 | 4.84 | 2.75 | 60.01 | 610.67 | 2.21 | 6.84 | 2.31 | 44.52 | 401.33 | 3.05 | 8.84 | 9.32 | 89.32 | 226.00 | 4.32 |
| 0.86 | 2.08 | 105.19 | 41.33 | 0.48 | 2.86 | 3.22 | 164.35 | 308.67 | 1.34 | 4.86 | 2.75 | 62.78 | 612.67 | 2.22 | 6.86 | 2.40 | 43.07 | 403.33 | 3.06. | | | | | |

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PROVA N°: CPTU 7 PROF. FALDA (m da p.c.): 5.30

PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

DATA: 01/03/22 PREFORO (m da p.c.): LAT. (WGS 84): 44.952721° LONG. (WGS 84): 10.070445°

COMMESSA: 23711FE/22 C. SITO N°: SF220192 del 04/03/202 OPERATORE: L. Formisano

| prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi |
|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|
| 10.02 | 9.67 | 67.45 | 80.67 | 5.10 | 12.02 | 13.18 | 56.20 | 88.67 | 6.28 | 14.02 | 19.73 | 106.78 | 109.33 | 7.23 | 16.02 | 36.83 | 96.27 | 242.67 | 7.92 | 18.02 | 12.41 | 68.35 | 59.33 | 8.44 |
| 10.04 | 10.11 | 92.01 | 84.67 | 5.11 | 12.04 | 14.26 | 54.87 | 89.33 | 6.29 | 14.04 | 20.08 | 101.34 | 106.67 | 7.23 | 16.04 | 37.10 | 134.72 | 247.33 | 7.95 | 18.04 | 12.25 | 68.24 | 58.00 | 8.46 |
| 10.06 | 11.73 | 96.34 | 93.33 | 5.12 | 12.06 | 15.18 | 59.43 | 94.67 | 6.31 | 14.06 | 20.43 | 95.91 | 104.00 | 7.23 | 16.06 | 34.92 | 110.61 | 222.67 | 7.98 | 18.06 | 12.28 | 69.80 | 58.00 | 8.47 |
| 10.08 | 12.47 | 88.11 | 96.67 | 5.14 | 12.08 | 15.85 | 66.87 | 98.67 | 6.33 | 14.08 | 20.71 | 92.79 | 104.00 | 7.24 | 16.08 | 35.58 | 132.50 | 244.00 | 7.99 | 18.08 | 12.57 | 70.36 | 58.67 | 8.47 |
| 10.10 | 12.92 | 79.78 | 99.33 | 5.15 | 12.10 | 16.34 | 67.98 | 102.00 | 6.35 | 14.10 | 21.05 | 91.91 | 104.00 | 7.25 | 16.10 | 35.27 | 118.72 | 242.00 | 7.99 | 18.10 | 12.88 | 69.24 | 59.33 | 8.48 |
| 10.12 | 12.87 | 80.33 | 98.67 | 5.16 | 12.12 | 16.59 | 63.20 | 103.33 | 6.37 | 14.12 | 21.49 | 91.46 | 108.00 | 7.26 | 16.12 | 34.43 | 168.16 | 177.33 | 7.99 | 18.12 | 13.11 | 67.24 | 60.00 | 8.48 |
| 10.14 | 12.55 | 77.00 | 97.33 | 5.17 | 12.14 | 16.66 | 55.65 | 106.67 | 6.39 | 14.14 | 21.94 | 85.46 | 108.67 | 7.27 | 16.14 | 34.51 | 174.38 | 150.00 | 7.99 | 18.14 | 13.36 | 66.58 | 60.67 | 8.48 |
| 10.16 | 12.22 | 63.55 | 97.33 | 5.18 | 12.16 | 16.45 | 52.76 | 104.67 | 6.41 | 14.16 | 22.32 | 81.35 | 114.00 | 7.29 | 16.16 | 32.96 | 170.36 | 142.67 | 8.01 | 18.16 | 13.80 | 68.35 | 63.33 | 8.49 |
| 10.18 | 11.87 | 45.22 | 96.67 | 5.19 | 12.18 | 16.47 | 51.31 | 107.33 | 6.42 | 14.18 | 22.65 | 77.68 | 116.00 | 7.30 | 16.18 | 31.71 | 150.13 | 132.00 | 8.02 | 18.18 | 14.30 | 70.46 | 65.33 | 8.50 |
| 10.20 | 11.52 | 38.32 | 96.67 | 5.19 | 12.20 | 16.58 | 52.54 | 110.00 | 6.42 | 14.20 | 22.55 | 76.79 | 112.00 | 7.30 | 16.20 | 31.92 | 114.36 | 126.00 | 8.04 | 18.20 | 14.91 | 72.24 | 67.33 | 8.50 |
| 10.22 | 11.23 | 36.77 | 96.67 | 5.20 | 12.22 | 16.86 | 56.42 | 114.00 | 6.44 | 14.22 | 22.44 | 80.57 | 118.00 | 7.30 | 16.22 | 30.77 | 139.70 | 118.67 | 8.04 | 18.22 | 15.37 | 75.35 | 69.33 | 8.51 |
| 10.24 | 10.99 | 39.76 | 97.33 | 5.21 | 12.24 | 17.21 | 57.31 | 119.33 | 6.45 | 14.24 | 21.17 | 81.23 | 112.00 | 7.31 | 16.24 | 28.39 | 83.14 | 113.33 | 8.06 | 18.24 | 15.79 | 78.35 | 70.67 | 8.51 |
| 10.26 | 10.80 | 43.21 | 97.33 | 5.22 | 12.26 | 17.19 | 58.64 | 121.33 | 6.46 | 14.26 | 20.03 | 84.79 | 107.33 | 7.33 | 16.26 | 26.79 | 105.14 | 108.67 | 8.05 | 18.26 | 16.14 | 81.57 | 72.67 | 8.51 |
| 10.28 | 10.67 | 42.98 | 98.67 | 5.24 | 12.28 | 17.10 | 62.19 | 123.33 | 6.48 | 14.28 | 19.71 | 84.12 | 106.67 | 7.33 | 16.28 | 25.18 | 127.13 | 104.00 | 8.04 | 18.28 | 16.45 | 86.79 | 73.33 | 8.52 |
| 10.30 | 10.72 | 41.09 | 100.67 | 5.23 | 12.30 | 17.03 | 62.30 | 126.00 | 6.49 | 14.30 | 19.43 | 79.34 | 106.00 | 7.35 | 16.30 | 24.52 | 122.13 | 100.67 | 8.05 | 18.30 | 16.66 | 91.78 | 74.67 | 8.53 |
| 10.32 | 10.80 | 40.76 | 103.33 | 5.25 | 12.32 | 16.76 | 66.29 | 126.67 | 6.51 | 14.32 | 19.28 | 77.57 | 103.33 | 7.36 | 16.32 | 23.99 | 125.90 | 100.67 | 8.05 | 18.32 | 16.83 | 95.45 | 76.67 | 8.53 |
| 10.34 | 10.94 | 40.76 | 106.00 | 5.27 | 12.34 | 16.49 | 70.85 | 128.67 | 6.50 | 14.34 | 19.05 | 82.46 | 103.33 | 7.37 | 16.34 | 23.32 | 134.44 | 98.67 | 8.07 | 18.34 | 16.97 | 99.34 | 77.33 | 8.53 |
| 10.36 | 11.30 | 39.19 | 110.67 | 5.27 | 12.36 | 16.14 | 75.51 | 130.00 | 6.52 | 14.36 | 18.81 | 84.35 | 102.67 | 7.38 | 16.36 | 22.89 | 117.88 | 97.33 | 8.07 | 18.36 | 17.07 | 103.22 | 78.67 | 8.54 |
| 10.38 | 11.67 | 38.30 | 114.00 | 5.29 | 12.38 | 15.80 | 78.28 | 132.00 | 6.53 | 14.38 | 19.06 | 82.34 | 104.00 | 7.38 | 16.38 | 21.90 | 111.32 | 92.67 | 8.11 | 18.38 | 17.08 | 106.45 | 80.67 | 8.54 |
| 10.40 | 11.92 | 37.97 | 117.33 | 5.29 | 12.40 | 15.63 | 79.05 | 135.33 | 6.53 | 14.40 | 18.89 | 74.34 | 102.67 | 7.39 | 16.40 | 20.99 | 116.54 | 90.00 | 8.10 | 18.40 | 16.92 | 111.33 | 80.67 | 8.54 |
| 10.42 | 12.16 | 37.41 | 119.33 | 5.30 | 12.42 | 15.59 | 77.16 | 137.33 | 6.54 | 14.42 | 18.46 | 73.34 | 102.00 | 7.41 | 16.42 | 20.48 | 109.31 | 88.67 | 8.10 | 18.42 | 17.10 | 114.55 | 82.67 | 8.55 |
| 10.44 | 12.33 | 38.52 | 122.00 | 5.32 | 12.44 | 15.65 | 74.60 | 141.33 | 6.55 | 14.44 | 18.38 | 68.56 | 104.00 | 7.40 | 16.44 | 19.88 | 116.53 | 87.33 | 8.09 | 18.44 | 17.70 | 118.32 | 86.00 | 8.55 |
| 10.46 | 12.24 | 41.08 | 123.33 | 5.33 | 12.46 | 15.86 | 72.26 | 146.67 | 6.56 | 14.46 | 17.66 | 62.67 | 102.67 | 7.42 | 16.46 | 19.45 | 116.31 | 84.67 | 8.09 | 18.46 | 18.54 | 121.21 | 90.00 | 8.56 |
| 10.48 | 12.13 | 45.30 | 124.67 | 5.33 | 12.48 | 16.22 | 70.37 | 154.00 | 6.57 | 14.48 | 17.30 | 64.11 | 99.33 | 7.42 | 16.48 | 18.80 | 110.53 | 82.00 | 8.10 | 18.48 | 19.49 | 117.42 | 93.33 | 8.56 |
| 10.50 | 11.98 | 47.19 | 126.00 | 5.35 | 12.50 | 16.55 | 68.48 | 159.33 | 6.59 | 14.50 | 17.22 | 64.00 | 100.67 | 7.44 | 16.50 | 18.66 | 101.42 | 82.67 | 8.10 | 18.50 | 19.87 | 117.75 | 94.67 | 8.56 |
| 10.52 | 11.89 | 43.52 | 126.67 | 5.36 | 12.52 | 16.79 | 67.70 | 164.67 | 6.59 | 14.52 | 17.28 | 60.34 | 100.67 | 7.44 | 16.52 | 18.33 | 101.98 | 81.33 | 8.10 | 18.52 | 19.88 | 108.53 | 96.00 | 8.56 |
| 10.54 | 11.73 | 38.51 | 128.67 | 5.37 | 12.54 | 16.55 | 63.80 | 165.33 | 6.61 | 14.54 | 17.01 | 60.22 | 100.67 | 7.45 | 16.54 | 17.39 | 107.42 | 77.33 | 8.10 | 18.54 | 20.74 | 97.07 | 102.67 | 8.56 |
| 10.56 | 11.50 | 34.96 | 128.67 | 5.39 | 12.56 | 15.99 | 62.13 | 164.67 | 6.61 | 14.56 | 16.84 | 56.89 | 100.67 | 7.45 | 16.56 | 17.12 | 101.87 | 75.33 | 8.11 | 18.56 | 21.64 | 105.18 | 111.33 | 8.56 |
| 10.58 | 11.28 | 34.96 | 129.33 | 5.39 | 12.58 | 15.41 | 61.91 | 164.67 | 6.62 | 14.58 | 17.12 | 57.11 | 107.33 | 7.44 | 16.58 | 16.84 | 101.43 | 73.33 | 8.11 | 18.58 | 21.45 | 98.62 | 107.33 | 8.56 |
| 10.60 | 11.06 | 37.29 | 130.00 | 5.41 | 12.60 | 15.07 | 64.13 | 166.00 | 6.63 | 14.60 | 16.92 | 53.56 | 110.00 | 7.45 | 16.60 | 16.44 | 90.99 | 70.67 | 8.11 | 18.60 | 21.66 | 114.05 | 113.33 | 8.56 |
| 10.62 | 10.79 | 38.51 | 130.67 | 5.42 | 12.62 | 14.96 | 65.90 | 168.67 | 6.64 | 14.62 | 15.82 | 64.23 | 103.33 | 7.46 | 16.62 | 16.20 | 83.55 | 68.00 | 8.11 | 18.62 | 22.20 | 124.93 | 117.33 | 8.57 |
| 10.64 | 10.50 | 38.40 | 130.00 | 5.43 | 12.64 | 15.04 | 67.34 | 173.33 | 6.64 | 14.64 | 15.79 | 61.45 | 102.67 | 7.48 | 16.64 | 16.08 | 80.34 | 66.67 | 8.11 | 18.64 | 23.15 | 134.04 | 122.67 | 8.58 |
| 10.66 | 10.15 | 37.62 | 130.00 | 5.44 | 12.66 | 15.24 | 68.00 | 178.00 | 6.66 | 14.66 | 15.98 | 59.67 | 106.00 | 7.48 | 16.66 | 15.88 | 77.45 | 65.33 | 8.11 | 18.66 | 24.02 | 144.48 | 128.00 | 8.58 |
| 10.68 | 9.84 | 36.84 | 129.33 | 5.46 | 12.68 | 15.46 | 67.33 | 182.00 | 6.67 | 14.68 | 16.15 | 60.33 | 107.33 | 7.49 | 16.68 | 15.71 | 61.53 | 52.00 | 8.12 | 18.68 | 24.96 | 140.82 | 132.67 | 8.58 |
| 10.70 | 9.57 | 35.95 | 129.33 | 5.47 | 12.70 | 15.72 | 66.00 | 187.33 | 6.67 | 14.70 | 16.14 | 64.44 | 108.00 | 7.50 | 16.70 | 15.80 | 59.65 | 45.33 | 8.13 | 18.70 | 25.31 | 137.70 | 134.00 | 8.58 |
| 10.72 | 9.30 | 35.62 | 129.33 | 5.48 | 12.72 | 16.11 | 63.99 | 192.00 | 6.67 | 14.72 | 16.07 | 69.33 | 108.00 | 7.49 | 16.72 | 16.41 | 59.89 | 44.00 | 8.13 | 18.72 | 24.74 | 137.92 | 130.67 | 8.58 |
| 10.74 | 9.04 | 35.62 | 129.33 | 5.49 | 12.74 | 16.79 | 61.32 | 199.33 | 6.68 | 14.74 | 16.12 | 67.67 | 108.67 | 7.51 | 16.74 | 16.93 | 102.11 | 46.00 | 8.13 | 18.74 | 25.09 | 115.59 | 137.33 | 8.58 |
| 10.76 | 8.79 | 34.28 | 128.67 | 5.50 | 12.76 | 17.57 | 59.77 | 199.33 | 6.69 | 14.76 | 16.37 | 64.89 | 112.00 | 7.52 | 16.76 | 14.81 | 153.79 | 52.67 | 8.16 | 18.76 | 24.78 | 102.25 | 142.67 | 8.57 |
| 10.78 | 8.52 | 32.95 | 128.00 | 5.52 | 12.78 | 18.52 | 60.32 | 188.67 | 6.71 | 14.78 | 16.76 | 60.00 | 113.33 | 7.54 | 16.78 | 17.32 | 143.35 | 58.67 | 8.18 | 18.78 | 23.56 | 97.81 | 137.33 | 8.57 |
| 10.80 | 8.26 | 31.28 | 126.67 | 5.52 | 12.80 | 19.28 | 61.21 | 182.00 | 6.70 | 14.80 | 16.99 | 58.00 | 114.00 | 7.55 | 16.80 | 21.08 | 108.80 | 62.67 | 8.19 | 18.80 | 22.21 | 94.58 | 136.00 | 8.58 |
| 10.82 | 8.09 | 30.39 | 126.67 | 5.54 | 12.82 | 20.04 | 62.53 | 179.33 | 6.72 | 14.82 | 17.18 | 53.78 | 116.00 | 7.55 | 16.82 | 18.34 | 86.58 | | | | | | | |

FERRARA DEPARTMENT

Via Annibale Zucchini, 69 – 44122 Ferrara (FE)

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Headquarters: Via Bariola, 101-103 - 20020 Lainate (MI)

Tel.: +39 02 9375 0000 - Fax: +39 02 9375 0099

www.socotec.it**COMMITTENTE:** ENGEО S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma**CANTIERE:** Via Arturo Toscanini 60 - Roncole Verdi (PR)

PROVA N°: CPTU 7 PROF. FALDA (m da p.c.): 5.30

PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

DATA: 01/03/22 PREFORO (m da p.c.):

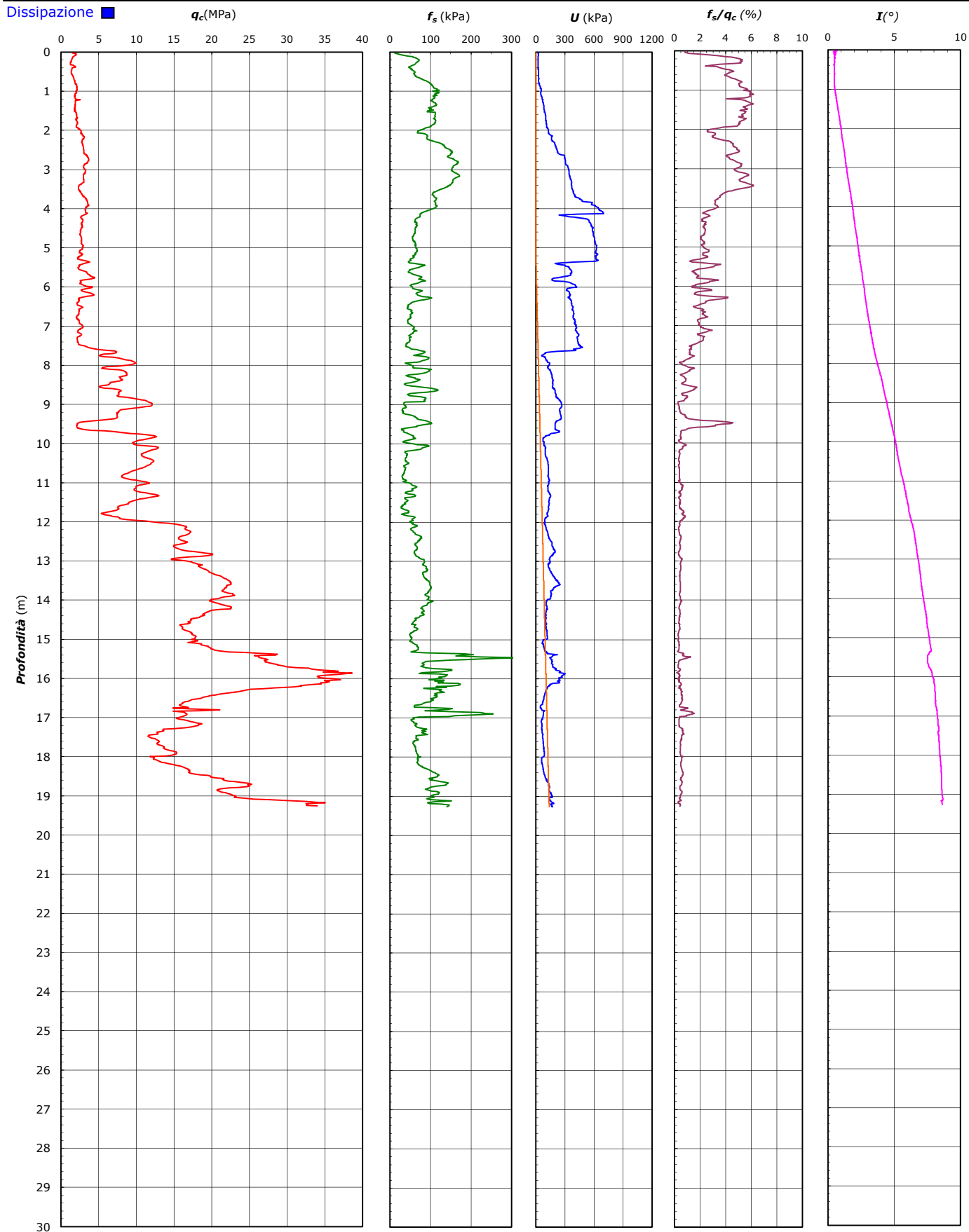
LAT. (WGS 84): 44.952721°

LONG. (WGS 84): 10.070445°

COMMESSA: 23711FE/22

C. SITO N°: SF220192 del 04/03/202 OPERATORE: L. Formisano

Dissipazione ■

Il Responsabile Prove in Sito:
dott. Massimo Romagnoli

FERRARA DEPARTMENT

Via Annibale Zucchini, 69 – 44122 Ferrara (FE)

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COMMITTENTE: ENGEIO S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma

CANTIERE: Via Arturo Toscanini 60 - Roncole Verdi (PR)

PROVA N°: CPTU 7 PROF. FALDA (m da p.c.): 5.30 PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

DATA: 01/03/22 PREFORO (m da p.c.): LAT. (WGS 84): 44.952721° LONG. (WGS 84): 10.070445°

COMMESSA: 23711FE/22 C. SITO N°: SF220192 del 04/03/202 OPERATORE: L. Formisano

UBICAZIONE

Località: Via Arturo Toscanini 60 - Roncole Verdi (PR)



NOTE: Utilizzato 1 anello allargatore da inizio prova

FERRARA DEPARTMENT

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SOCOTEC ITALIA Srl - P.Iva 01872430648

Headquarters: Via Bariola, 101-103 - 20020 Lainate (MI)

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www.socotec.it**COMMITTENTE: ENGELO S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma****CANTIERE:** via Piazza Giuseppe Verdi - Roncole Verdi - Busseto (PR)

PROVA N°: CPTU 8 PROF. FALDA (m da p.c.): 5.80

PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

DATA: 03/03/22 PREFORO (m da p.c.): LAT. (WGS 84): 44.948723° LONG. (WGS 84): 10.066200°

COMMESSA: 23711FE/22 C. SITO N°: SFxxxxxx del 08/03/202:OPERATORE: L. Formisano

| prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi |
|---------|--------|--------|-------|-------------|---------|--------|--------|-------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|
| 0.02 | 2.21 | 17.10 | 9.05 | 0.68 | 2.02 | 5.70 | 196.73 | 29.21 | 1.22 | 4.02 | 2.86 | 168.04 | 288.06 | 1.92 | 6.02 | 2.41 | 100.90 | 434.58 | 2.53 | 8.02 | 1.95 | 117.17 | 8.05 | 3.31 |
| 0.04 | 2.30 | 25.55 | 6.61 | 0.40 | 2.04 | 5.82 | 199.39 | 24.33 | 1.22 | 4.04 | 2.76 | 172.59 | 289.69 | 1.93 | 6.04 | 2.41 | 100.79 | 437.84 | 2.55 | 8.04 | 1.66 | 108.61 | 57.70 | 3.31 |
| 0.06 | 2.25 | 36.10 | 12.31 | 0.59 | 2.06 | 5.93 | 203.94 | 21.07 | 1.21 | 4.06 | 2.73 | 171.14 | 290.51 | 1.94 | 6.06 | 2.47 | 96.24 | 441.09 | 2.55 | 8.06 | 1.58 | 102.39 | 146.43 | 3.31 |
| 0.08 | 2.22 | 45.21 | 9.86 | 0.65 | 2.08 | 6.13 | 213.94 | 20.25 | 1.25 | 4.08 | 2.65 | 168.03 | 291.32 | 1.94 | 6.08 | 2.45 | 95.34 | 441.91 | 2.57 | 8.08 | 1.96 | 103.28 | 364.58 | 3.32 |
| 0.10 | 2.08 | 53.88 | 13.93 | 0.79 | 2.10 | 6.18 | 221.49 | 19.44 | 1.23 | 4.10 | 2.63 | 163.92 | 297.01 | 1.95 | 6.10 | 2.47 | 94.12 | 443.53 | 2.56 | 8.10 | 2.29 | 96.28 | 418.30 | 3.34 |
| 0.12 | 1.94 | 61.55 | 15.56 | 0.71 | 2.12 | 6.08 | 222.03 | 18.63 | 1.24 | 4.12 | 2.62 | 156.14 | 297.01 | 1.95 | 6.12 | 2.48 | 95.34 | 445.98 | 2.58 | 8.12 | 2.17 | 72.50 | 315.74 | 3.34 |
| 0.14 | 1.76 | 70.10 | 16.37 | 0.65 | 2.14 | 5.92 | 221.81 | 17.81 | 1.25 | 4.14 | 2.68 | 150.91 | 301.90 | 1.95 | 6.14 | 2.48 | 95.12 | 448.42 | 2.58 | 8.14 | 2.12 | 76.27 | 336.09 | 3.36 |
| 0.16 | 1.63 | 79.36 | 26.15 | 0.65 | 2.16 | 5.62 | 221.35 | 17.81 | 1.25 | 4.16 | 2.68 | 147.13 | 302.71 | 1.96 | 6.16 | 2.50 | 93.34 | 450.86 | 2.58 | 8.16 | 2.58 | 75.38 | 443.53 | 3.37 |
| 0.18 | 1.62 | 83.36 | 27.77 | 0.62 | 2.18 | 5.34 | 224.79 | 17.00 | 1.25 | 4.18 | 2.61 | 148.13 | 301.90 | 1.96 | 6.18 | 2.50 | 95.01 | 450.86 | 2.60 | 8.18 | 3.86 | 63.83 | 535.52 | 3.37 |
| 0.20 | 1.60 | 87.37 | 29.40 | 0.60 | 2.20 | 5.12 | 232.12 | 17.00 | 1.26 | 4.20 | 2.68 | 148.79 | 307.60 | 1.97 | 6.20 | 2.45 | 98.00 | 448.42 | 2.60 | 8.20 | 5.02 | 57.94 | 303.53 | 3.37 |
| 0.22 | 1.58 | 89.49 | 30.21 | 0.65 | 2.22 | 4.85 | 236.11 | 16.19 | 1.26 | 4.22 | 2.66 | 152.46 | 307.60 | 1.97 | 6.22 | 2.39 | 99.34 | 444.35 | 2.61 | 8.22 | 5.27 | 67.71 | 73.17 | 3.38 |
| 0.24 | 1.59 | 89.27 | 30.21 | 0.65 | 2.24 | 4.49 | 238.54 | 15.37 | 1.25 | 4.24 | 2.70 | 151.45 | 311.67 | 1.97 | 6.24 | 2.35 | 100.56 | 449.23 | 2.61 | 8.24 | 5.00 | 72.05 | 38.17 | 3.40 |
| 0.26 | 1.63 | 90.17 | 31.03 | 0.67 | 2.26 | 4.09 | 242.87 | 14.56 | 1.27 | 4.26 | 2.72 | 149.23 | 314.93 | 1.98 | 6.26 | 2.35 | 99.67 | 453.31 | 2.61 | 8.26 | 4.59 | 70.16 | 39.79 | 3.40 |
| 0.28 | 1.63 | 96.06 | 33.47 | 0.61 | 2.28 | 3.77 | 244.08 | 14.56 | 1.27 | 4.28 | 2.75 | 148.45 | 318.99 | 1.98 | 6.28 | 2.32 | 99.89 | 452.49 | 2.63 | 8.28 | 4.34 | 61.38 | 43.86 | 3.41 |
| 0.30 | 1.58 | 101.40 | 34.28 | 0.64 | 2.30 | 3.58 | 242.85 | 15.37 | 1.27 | 4.30 | 2.78 | 146.56 | 321.43 | 1.99 | 6.30 | 2.31 | 99.33 | 451.67 | 2.64 | 8.30 | 3.88 | 58.82 | 38.17 | 3.42 |
| 0.32 | 1.44 | 104.52 | 35.09 | 0.65 | 2.32 | 3.43 | 238.62 | 16.19 | 1.27 | 4.32 | 2.72 | 146.33 | 321.43 | 1.99 | 6.32 | 2.26 | 100.22 | 449.23 | 2.64 | 8.32 | 2.92 | 77.04 | 34.91 | 3.45 |
| 0.34 | 1.38 | 104.08 | 31.03 | 0.79 | 2.34 | 3.37 | 229.72 | 17.00 | 1.28 | 4.34 | 2.64 | 146.55 | 318.18 | 2.00 | 6.34 | 2.23 | 99.89 | 448.42 | 2.64 | 8.34 | 2.19 | 93.93 | 33.28 | 3.45 |
| 0.36 | 1.16 | 100.20 | 39.98 | 0.67 | 2.36 | 3.32 | 222.83 | 21.89 | 1.28 | 4.36 | 2.64 | 148.10 | 318.99 | 1.99 | 6.36 | 2.19 | 98.22 | 446.79 | 2.65 | 8.36 | 2.13 | 89.82 | 100.84 | 3.46 |
| 0.38 | 1.12 | 93.32 | 40.79 | 0.70 | 2.38 | 3.36 | 214.82 | 63.40 | 1.29 | 4.38 | 2.67 | 148.77 | 322.25 | 1.99 | 6.38 | 2.13 | 97.11 | 444.35 | 2.66 | 8.38 | 2.81 | 107.71 | 272.59 | 3.48 |
| 0.40 | 1.17 | 84.99 | 41.61 | 0.69 | 2.40 | 3.45 | 206.04 | 69.09 | 1.29 | 4.40 | 2.70 | 150.21 | 324.69 | 2.01 | 6.40 | 2.08 | 94.66 | 439.47 | 2.68 | 8.40 | 3.21 | 97.15 | 262.01 | 3.48 |
| 0.42 | 1.20 | 75.77 | 41.61 | 0.69 | 2.42 | 3.55 | 202.14 | 70.73 | 1.32 | 4.42 | 2.70 | 151.54 | 324.69 | 2.02 | 6.42 | 2.00 | 92.55 | 435.39 | 2.68 | 8.42 | 3.21 | 94.04 | 203.41 | 3.49 |
| 0.44 | 1.33 | 64.67 | 41.61 | 0.73 | 2.44 | 3.64 | 200.47 | 69.91 | 1.31 | 4.44 | 2.73 | 152.10 | 327.95 | 2.02 | 6.44 | 2.00 | 91.88 | 432.95 | 2.69 | 8.44 | 2.94 | 101.26 | 169.22 | 3.50 |
| 0.46 | 1.43 | 56.57 | 42.42 | 0.73 | 2.46 | 3.72 | 200.35 | 68.28 | 1.32 | 4.46 | 2.82 | 151.43 | 336.09 | 2.02 | 6.46 | 1.99 | 91.10 | 434.58 | 2.70 | 8.46 | 2.79 | 101.37 | 148.87 | 3.51 |
| 0.48 | 1.46 | 54.69 | 41.61 | 0.74 | 2.48 | 3.75 | 200.68 | 70.73 | 1.32 | 4.48 | 2.97 | 147.54 | 347.49 | 2.04 | 6.48 | 2.00 | 91.43 | 454.12 | 2.70 | 8.48 | 2.49 | 98.81 | 154.57 | 3.51 |
| 0.50 | 1.47 | 59.69 | 43.23 | 0.79 | 2.50 | 3.73 | 202.00 | 66.65 | 1.33 | 4.50 | 3.04 | 145.54 | 350.74 | 2.04 | 6.50 | 2.02 | 89.66 | 465.51 | 2.71 | 8.50 | 1.89 | 86.81 | 144.80 | 3.52 |
| 0.52 | 1.45 | 67.93 | 44.05 | 0.79 | 2.52 | 3.69 | 202.55 | 61.77 | 1.32 | 4.52 | 3.14 | 146.75 | 353.99 | 2.05 | 6.52 | 2.02 | 88.32 | 471.21 | 2.72 | 8.52 | 1.59 | 72.69 | 139.10 | 3.54 |
| 0.54 | 1.44 | 76.15 | 44.87 | 0.77 | 2.54 | 3.57 | 205.22 | 60.14 | 1.33 | 4.54 | 3.61 | 145.87 | 373.53 | 2.05 | 6.54 | 2.00 | 87.10 | 472.03 | 2.71 | 8.54 | 1.74 | 66.14 | 165.96 | 3.57 |
| 0.56 | 1.44 | 83.05 | 46.49 | 0.79 | 2.56 | 3.41 | 208.10 | 60.14 | 1.34 | 4.56 | 3.41 | 143.20 | 371.91 | 2.05 | 6.56 | 1.98 | 85.54 | 473.65 | 2.72 | 8.56 | 2.20 | 75.69 | 280.73 | 3.57 |
| 0.58 | 1.41 | 89.28 | 47.31 | 0.79 | 2.58 | 3.18 | 207.09 | 58.51 | 1.35 | 4.58 | 2.90 | 150.86 | 318.99 | 2.07 | 6.58 | 1.98 | 84.21 | 472.84 | 2.72 | 8.58 | 2.54 | 78.02 | 290.51 | 3.57 |
| 0.60 | 1.45 | 92.84 | 48.12 | 0.80 | 2.60 | 2.91 | 203.87 | 56.07 | 1.34 | 4.60 | 2.69 | 161.86 | 315.74 | 2.07 | 6.60 | 1.98 | 81.54 | 485.87 | 2.73 | 8.60 | 2.50 | 73.58 | 209.11 | 3.59 |
| 0.62 | 1.45 | 93.52 | 48.12 | 0.79 | 2.62 | 2.64 | 198.86 | 54.45 | 1.34 | 4.62 | 2.60 | 162.75 | 313.29 | 2.08 | 6.62 | 2.03 | 76.54 | 496.45 | 2.74 | 8.62 | 2.39 | 88.91 | 276.67 | 3.60 |
| 0.64 | 1.47 | 93.41 | 47.31 | 0.79 | 2.64 | 2.41 | 192.30 | 52.81 | 1.36 | 4.64 | 2.53 | 162.08 | 317.37 | 2.09 | 6.64 | 2.05 | 73.54 | 495.63 | 2.75 | 8.64 | 2.11 | 77.35 | 240.03 | 3.61 |
| 0.66 | 1.47 | 91.64 | 48.93 | 0.81 | 2.66 | 2.24 | 189.19 | 50.37 | 1.36 | 4.66 | 2.60 | 157.75 | 322.25 | 2.09 | 6.66 | 2.09 | 71.88 | 497.26 | 2.74 | 8.66 | 1.95 | 72.35 | 227.01 | 3.62 |
| 0.68 | 1.48 | 89.09 | 48.12 | 0.84 | 2.68 | 2.06 | 185.41 | 49.56 | 1.36 | 4.68 | 2.64 | 156.97 | 327.13 | 2.09 | 6.68 | 2.08 | 72.99 | 494.01 | 2.76 | 8.68 | 2.79 | 75.68 | 292.13 | 3.64 |
| 0.70 | 1.48 | 87.21 | 45.68 | 0.83 | 2.70 | 1.98 | 179.74 | 52.00 | 1.38 | 4.70 | 2.66 | 155.74 | 329.57 | 2.11 | 6.70 | 2.00 | 77.21 | 489.93 | 2.76 | 8.70 | 3.99 | 79.35 | 335.27 | 3.66 |
| 0.72 | 1.46 | 85.77 | 45.68 | 0.83 | 2.72 | 1.88 | 174.84 | 52.00 | 1.38 | 4.72 | 2.66 | 148.74 | 330.39 | 2.12 | 6.72 | 2.01 | 78.43 | 492.37 | 2.77 | 8.72 | 4.85 | 77.91 | 149.68 | 3.66 |
| 0.74 | 1.42 | 83.66 | 45.68 | 0.85 | 2.74 | 1.85 | 168.40 | 49.56 | 1.40 | 4.74 | 2.61 | 135.52 | 327.13 | 2.12 | 6.74 | 2.03 | 77.88 | 491.56 | 2.78 | 8.74 | 5.15 | 92.35 | 34.91 | 3.66 |
| 0.76 | 1.42 | 82.44 | 43.23 | 0.83 | 2.76 | 1.83 | 163.50 | 48.75 | 1.40 | 4.76 | 2.54 | 136.29 | 327.13 | 2.13 | 6.76 | 2.08 | 80.43 | 492.37 | 2.78 | 8.76 | 5.17 | 90.35 | 12.11 | 3.67 |
| 0.78 | 1.42 | 82.34 | 31.03 | 0.85 | 2.78 | 1.83 | 157.72 | 50.37 | 1.39 | 4.78 | 2.54 | 135.40 | 329.57 | 2.13 | 6.78 | 2.08 | 84.88 | 492.37 | 2.79 | 8.78 | 5.09 | 88.24 | 9.67 | 3.69 |
| 0.80 | 1.42 | 80.45 | 26.14 | 0.85 | 2.80 | 1.80 | 153.17 | 52.00 | 1.41 | 4.80 | 2.46 | 134.84 | 329.57 | 2.14 | 6.80 | 2.08 | 87.88 | 493.19 | 2.80 | 8.80 | 4.91 | 83.68 | 9.67 | 3.70 |
| 0.82 | 1.41 | 78.79 | 19.63 | 0.85 | 2.82 | 1.83 | 144.83 | 57.70 | 1.41 | 4.82 | 2.38 | 132.62 | 327.95 | 2.14 | 6.82 | 2.11 | 88.65 | 494.82 | 2.81 | 8.82 | 4.63 | 81.13 | 6.42 | 3.71 |
| 0.84 | 1.39 | 76.24 | 19.19 | 0.85 | 2.84 | 1.88 | 136.38 | 60.14 | 1.43 | 4.84 | 2.35 | 129.51 | 325.51 | 2.15 | 6.84 | 2.09 | 87.88 | 491.56 | 2.82 | 8.84 | 4.14 | 82.13 | 2.53 | 3.71 |
| 0.86 | 1.42 | 68.99 | 29.40 | 0.86 | 2.86 | 1.94 | 129.38 | | | | | | | | | | | | | | | | | |

FERRARA DEPARTMENT

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Headquarters: Via Bariola, 101-103 - 20020 Lainate (MI)

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www.socotec.it**COMMITTENTE: ENGELO S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma****CANTIERE:** via Piazza Giuseppe Verdi - Roncole Verdi - Busseto (PR)

PROVA N°: CPTU 8 PROF. FALDA (m da p.c.): 5.80

PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

DATA: 03/03/22

PREFORO (m da p.c.):

LAT. (WGS 84): 44.948723°

LONG. (WGS 84): 10.066200°

COMMESSA: 23711FE/22

C. SITO N°: SFxxxxxx del 08/03/22 OPERATORE: L. Formisano

| prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi |
|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|
| 10.02 | 2.35 | 77.94 | 110.61 | 4.29 | 12.02 | 13.22 | 67.46 | 145.61 | 5.29 | 14.02 | 17.12 | 67.39 | 15.37 | 6.27 | 16.02 | 12.82 | 76.61 | 2.53 | 7.32 | 18.02 | 12.86 | 74.74 | 44.67 | 8.31 |
| 10.04 | 2.46 | 77.39 | 110.61 | 4.29 | 12.04 | 13.59 | 71.13 | 142.35 | 5.31 | 14.04 | 17.33 | 67.84 | 17.00 | 6.28 | 16.04 | 13.13 | 75.84 | 2.53 | 7.33 | 18.04 | 13.21 | 71.97 | 44.67 | 8.32 |
| 10.06 | 2.30 | 78.06 | 103.29 | 4.30 | 12.06 | 13.80 | 74.35 | 136.66 | 5.32 | 14.06 | 17.60 | 67.62 | 19.44 | 6.30 | 16.06 | 13.61 | 74.95 | 0.91 | 7.35 | 18.06 | 13.39 | 69.86 | 43.86 | 8.32 |
| 10.08 | 1.94 | 81.17 | 88.63 | 4.31 | 12.08 | 13.97 | 76.80 | 132.59 | 5.32 | 14.08 | 17.82 | 66.62 | 21.07 | 6.31 | 16.08 | 13.90 | 76.17 | 0.72 | 7.36 | 18.08 | 13.42 | 68.53 | 41.42 | 8.33 |
| 10.10 | 1.54 | 78.39 | 78.05 | 4.32 | 12.10 | 14.03 | 78.90 | 128.52 | 5.34 | 14.10 | 17.91 | 66.28 | 22.70 | 6.31 | 16.10 | 14.24 | 76.72 | 2.35 | 7.36 | 18.10 | 13.36 | 67.98 | 38.98 | 8.34 |
| 10.12 | 1.27 | 68.73 | 69.91 | 4.33 | 12.12 | 14.29 | 80.79 | 122.82 | 5.35 | 14.12 | 17.85 | 67.50 | 23.51 | 6.31 | 16.12 | 14.63 | 76.84 | 4.79 | 7.38 | 18.12 | 13.25 | 69.21 | 36.53 | 8.35 |
| 10.14 | 1.10 | 61.51 | 66.65 | 4.34 | 12.14 | 14.78 | 81.46 | 121.19 | 5.35 | 14.14 | 17.85 | 68.72 | 26.77 | 6.34 | 16.14 | 15.02 | 78.06 | 7.23 | 7.39 | 18.14 | 13.11 | 71.65 | 34.91 | 8.36 |
| 10.16 | 1.15 | 57.62 | 69.91 | 4.35 | 12.16 | 15.57 | 82.01 | 130.15 | 5.37 | 14.16 | 18.02 | 69.39 | 29.21 | 6.36 | 16.16 | 15.36 | 78.95 | 9.67 | 7.40 | 18.16 | 13.07 | 74.21 | 34.09 | 8.36 |
| 10.18 | 1.29 | 54.62 | 70.73 | 4.36 | 12.18 | 16.43 | 81.79 | 128.52 | 5.37 | 14.18 | 18.07 | 72.05 | 31.65 | 6.36 | 16.18 | 15.67 | 80.50 | 12.11 | 7.41 | 18.18 | 13.22 | 77.32 | 34.91 | 8.37 |
| 10.20 | 1.48 | 51.96 | 73.98 | 4.38 | 12.20 | 17.22 | 80.90 | 128.52 | 5.37 | 14.20 | 18.48 | 74.72 | 37.35 | 6.37 | 16.20 | 16.01 | 82.72 | 15.37 | 7.42 | 18.20 | 13.44 | 79.21 | 36.53 | 8.38 |
| 10.22 | 1.73 | 47.07 | 85.37 | 4.39 | 12.22 | 17.74 | 80.56 | 132.59 | 5.39 | 14.22 | 18.80 | 79.05 | 43.05 | 6.38 | 16.22 | 16.37 | 85.27 | 18.63 | 7.43 | 18.22 | 13.69 | 79.65 | 37.35 | 8.40 |
| 10.24 | 1.97 | 42.96 | 89.45 | 4.40 | 12.24 | 17.92 | 79.23 | 126.07 | 5.40 | 14.24 | 19.21 | 81.05 | 50.37 | 6.39 | 16.24 | 16.59 | 88.83 | 21.89 | 7.44 | 18.24 | 13.85 | 79.76 | 38.98 | 8.40 |
| 10.26 | 2.19 | 46.40 | 92.70 | 4.41 | 12.26 | 17.50 | 77.67 | 118.75 | 5.42 | 14.26 | 19.16 | 81.71 | 52.81 | 6.41 | 16.26 | 16.61 | 92.61 | 22.70 | 7.45 | 18.26 | 13.81 | 78.87 | 38.17 | 8.41 |
| 10.28 | 2.74 | 49.63 | 108.98 | 4.42 | 12.28 | 16.74 | 77.89 | 115.49 | 5.42 | 14.28 | 18.65 | 83.37 | 51.19 | 6.41 | 16.28 | 16.80 | 94.49 | 25.95 | 7.47 | 18.28 | 13.84 | 78.87 | 38.17 | 8.42 |
| 10.30 | 4.04 | 52.41 | 135.85 | 4.43 | 12.30 | 16.01 | 79.77 | 114.68 | 5.42 | 14.30 | 18.16 | 85.15 | 50.37 | 6.42 | 16.30 | 16.97 | 96.38 | 29.21 | 7.48 | 18.30 | 14.01 | 79.10 | 39.79 | 8.43 |
| 10.32 | 6.04 | 62.64 | 166.77 | 4.44 | 12.32 | 15.52 | 82.66 | 117.12 | 5.43 | 14.32 | 17.79 | 86.48 | 52.00 | 6.44 | 16.32 | 17.05 | 97.38 | 32.47 | 7.48 | 18.32 | 14.42 | 80.87 | 43.86 | 8.43 |
| 10.34 | 7.64 | 79.86 | 154.57 | 4.45 | 12.34 | 15.37 | 84.55 | 120.38 | 5.42 | 14.34 | 17.66 | 88.70 | 56.07 | 6.44 | 16.34 | 17.21 | 97.04 | 35.72 | 7.50 | 18.34 | 14.89 | 82.10 | 47.93 | 8.45 |
| 10.36 | 8.06 | 93.30 | 65.03 | 4.45 | 12.36 | 15.39 | 86.21 | 127.71 | 5.44 | 14.36 | 17.68 | 90.14 | 60.14 | 6.45 | 16.36 | 17.24 | 97.60 | 38.98 | 7.52 | 18.36 | 15.12 | 83.65 | 50.37 | 8.46 |
| 10.38 | 7.61 | 95.64 | 29.21 | 4.46 | 12.38 | 15.58 | 87.09 | 139.91 | 5.44 | 14.38 | 17.71 | 92.58 | 65.03 | 6.46 | 16.38 | 17.09 | 96.70 | 40.61 | 7.53 | 18.38 | 14.93 | 85.21 | 48.75 | 8.46 |
| 10.40 | 7.09 | 91.53 | 25.14 | 4.47 | 12.40 | 15.99 | 86.65 | 146.43 | 5.46 | 14.40 | 17.58 | 93.69 | 68.28 | 6.48 | 16.40 | 17.01 | 95.59 | 43.05 | 7.53 | 18.40 | 14.47 | 86.99 | 45.49 | 8.47 |
| 10.42 | 6.57 | 83.53 | 27.58 | 4.50 | 12.42 | 16.59 | 83.42 | 137.47 | 5.47 | 14.42 | 17.39 | 92.02 | 69.91 | 6.49 | 16.42 | 17.05 | 95.81 | 47.12 | 7.55 | 18.42 | 13.95 | 88.76 | 43.05 | 8.49 |
| 10.44 | 6.55 | 78.65 | 28.39 | 4.52 | 12.44 | 17.43 | 79.53 | 135.85 | 5.47 | 14.44 | 17.20 | 91.13 | 72.35 | 6.49 | 16.44 | 17.57 | 97.25 | 55.26 | 7.56 | 18.44 | 13.74 | 90.43 | 43.05 | 8.49 |
| 10.46 | 6.60 | 82.43 | 30.03 | 4.52 | 12.46 | 18.27 | 76.86 | 139.10 | 5.49 | 14.46 | 17.13 | 90.90 | 77.23 | 6.51 | 16.46 | 18.12 | 99.13 | 64.21 | 7.56 | 18.46 | 13.77 | 91.87 | 44.67 | 8.51 |
| 10.48 | 6.76 | 84.87 | 32.47 | 4.53 | 12.48 | 18.82 | 75.86 | 136.66 | 5.50 | 14.48 | 17.23 | 89.23 | 82.93 | 6.52 | 16.48 | 18.45 | 100.13 | 70.73 | 7.57 | 18.48 | 14.04 | 93.54 | 47.93 | 8.52 |
| 10.50 | 6.90 | 80.98 | 37.35 | 4.53 | 12.50 | 19.16 | 75.30 | 136.66 | 5.50 | 14.50 | 17.38 | 88.11 | 89.45 | 6.52 | 16.50 | 18.85 | 103.13 | 78.87 | 7.59 | 18.50 | 14.73 | 94.76 | 56.07 | 8.52 |
| 10.52 | 6.90 | 78.98 | 40.61 | 4.55 | 12.52 | 19.25 | 75.85 | 136.66 | 5.52 | 14.52 | 17.46 | 87.77 | 93.51 | 6.53 | 16.52 | 19.29 | 106.01 | 87.82 | 7.60 | 18.52 | 15.52 | 93.54 | 63.40 | 8.54 |
| 10.54 | 6.82 | 76.10 | 43.05 | 4.57 | 12.54 | 19.18 | 77.18 | 134.21 | 5.52 | 14.54 | 17.66 | 87.66 | 100.84 | 6.53 | 16.54 | 19.69 | 108.35 | 95.96 | 7.61 | 18.54 | 16.31 | 90.87 | 71.54 | 8.56 |
| 10.56 | 6.70 | 75.65 | 43.05 | 4.58 | 12.56 | 19.41 | 79.06 | 135.03 | 5.54 | 14.56 | 17.69 | 87.76 | 104.91 | 6.54 | 16.56 | 19.99 | 110.89 | 104.91 | 7.61 | 18.56 | 17.09 | 88.43 | 79.68 | 8.56 |
| 10.58 | 6.65 | 81.43 | 43.05 | 4.59 | 12.58 | 19.95 | 83.40 | 139.91 | 5.55 | 14.58 | 17.60 | 88.21 | 108.17 | 6.56 | 16.58 | 20.43 | 116.67 | 119.57 | 7.62 | 18.58 | 17.66 | 87.20 | 86.19 | 8.57 |
| 10.60 | 6.81 | 85.98 | 45.49 | 4.61 | 12.60 | 20.72 | 88.06 | 141.54 | 5.57 | 14.60 | 17.56 | 87.75 | 111.43 | 6.56 | 16.60 | 20.43 | 136.44 | 129.33 | 7.63 | 18.60 | 17.98 | 88.76 | 90.26 | 8.58 |
| 10.62 | 7.17 | 90.87 | 53.63 | 4.63 | 12.62 | 20.56 | 96.27 | 140.73 | 5.58 | 14.62 | 17.52 | 89.19 | 113.87 | 6.57 | 16.62 | 21.21 | 168.99 | 145.61 | 7.64 | 18.62 | 18.04 | 92.53 | 92.70 | 8.58 |
| 10.64 | 7.57 | 100.32 | 62.59 | 4.63 | 12.64 | 21.26 | 102.60 | 136.66 | 5.59 | 14.64 | 17.07 | 89.64 | 111.43 | 6.58 | 16.64 | 21.92 | 150.99 | 177.36 | 7.65 | 18.64 | 18.06 | 95.09 | 95.96 | 8.60 |
| 10.66 | 7.81 | 101.43 | 67.47 | 4.65 | 12.66 | 21.97 | 108.26 | 135.03 | 5.59 | 14.66 | 16.54 | 89.96 | 108.17 | 6.59 | 16.66 | 19.03 | 140.76 | 104.10 | 7.66 | 18.66 | 18.04 | 99.75 | 100.03 | 8.61 |
| 10.68 | 7.89 | 99.32 | 70.73 | 4.68 | 12.68 | 22.41 | 112.81 | 134.21 | 5.60 | 14.68 | 15.97 | 89.19 | 104.10 | 6.59 | 16.68 | 20.17 | 176.53 | 134.21 | 7.67 | 18.68 | 18.42 | 103.75 | 108.98 | 8.62 |
| 10.70 | 8.01 | 90.75 | 73.17 | 4.69 | 12.70 | 22.28 | 122.14 | 126.07 | 5.61 | 14.70 | 15.64 | 88.29 | 103.29 | 6.60 | 16.70 | 20.51 | 183.96 | 136.66 | 7.69 | 18.70 | 19.02 | 105.42 | 122.01 | 8.63 |
| 10.72 | 8.25 | 80.53 | 80.49 | 4.71 | 12.72 | 21.86 | 130.03 | 122.82 | 5.62 | 14.72 | 15.37 | 85.74 | 102.47 | 6.60 | 16.72 | 20.80 | 187.40 | 143.17 | 7.70 | 18.72 | 19.94 | 103.97 | 138.29 | 8.64 |
| 10.74 | 8.53 | 73.75 | 91.89 | 4.74 | 12.74 | 21.41 | 138.36 | 120.38 | 5.64 | 14.74 | 15.15 | 83.96 | 102.47 | 6.62 | 16.74 | 21.76 | 196.40 | 193.64 | 7.68 | 18.74 | 20.82 | 107.30 | 156.19 | 8.65 |
| 10.76 | 9.03 | 72.20 | 102.47 | 4.76 | 12.76 | 20.66 | 145.47 | 117.12 | 5.64 | 14.76 | 14.87 | 81.85 | 101.65 | 6.63 | 16.76 | 20.44 | 166.50 | 168.41 | 7.70 | 18.76 | 21.27 | 112.19 | 173.29 | 8.67 |
| 10.78 | 9.47 | 76.86 | 109.79 | 4.77 | 12.78 | 20.07 | 148.13 | 117.12 | 5.65 | 14.78 | 14.59 | 79.51 | 100.84 | 6.64 | 16.78 | 19.57 | 171.83 | 161.08 | 7.70 | 18.78 | 22.07 | 106.96 | 192.01 | 8.69 |
| 10.80 | 9.64 | 79.75 | 114.68 | 4.78 | 12.80 | 19.74 | 144.90 | 115.49 | 5.65 | 14.80 | 14.48 | 76.62 | 101.65 | 6.65 | 16.80 | 18.96 | 173.72 | 153.75 | 7.72 | 18.80 | 22.45 | 103.63 | 210.73 | 8.69 |
| 10.82 | 9.79 | 69.86 | 118.75 | 4.79 | 12.82 | 19.64 | 140.23 | 118.75 | 5.67 | 14.82 | 14.52 | 74.84 | 104.10 | 6.66 | 16.82 | 17.94 | 138.93 | 144.80 | 7.72 | 18.82 | 22.16 | 104.07 | 219.69 | 8.72 |
| 10.84 | 9.58 | 58.75 | 117.93 | 4.80 | 12.84 | 19.76 | 132.78 | 126.07 | 5.67 | 14.84 | 14.74 | 73.95 | 108.17 | 6 | | | | | | | | | | |

FERRARA DEPARTMENT

Via Annibale Zucchini, 69 - 44122 Ferrara (FE)

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www.socotec.it**COMMITTENTE:** ENGEO S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma**CANTIERE:** via Piazza Giuseppe Verdi - Roncole Verdi - Busseto (PR)

PROVA N°: CPTU 8 PROF. FALDA (m da p.c.): 5.80

PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

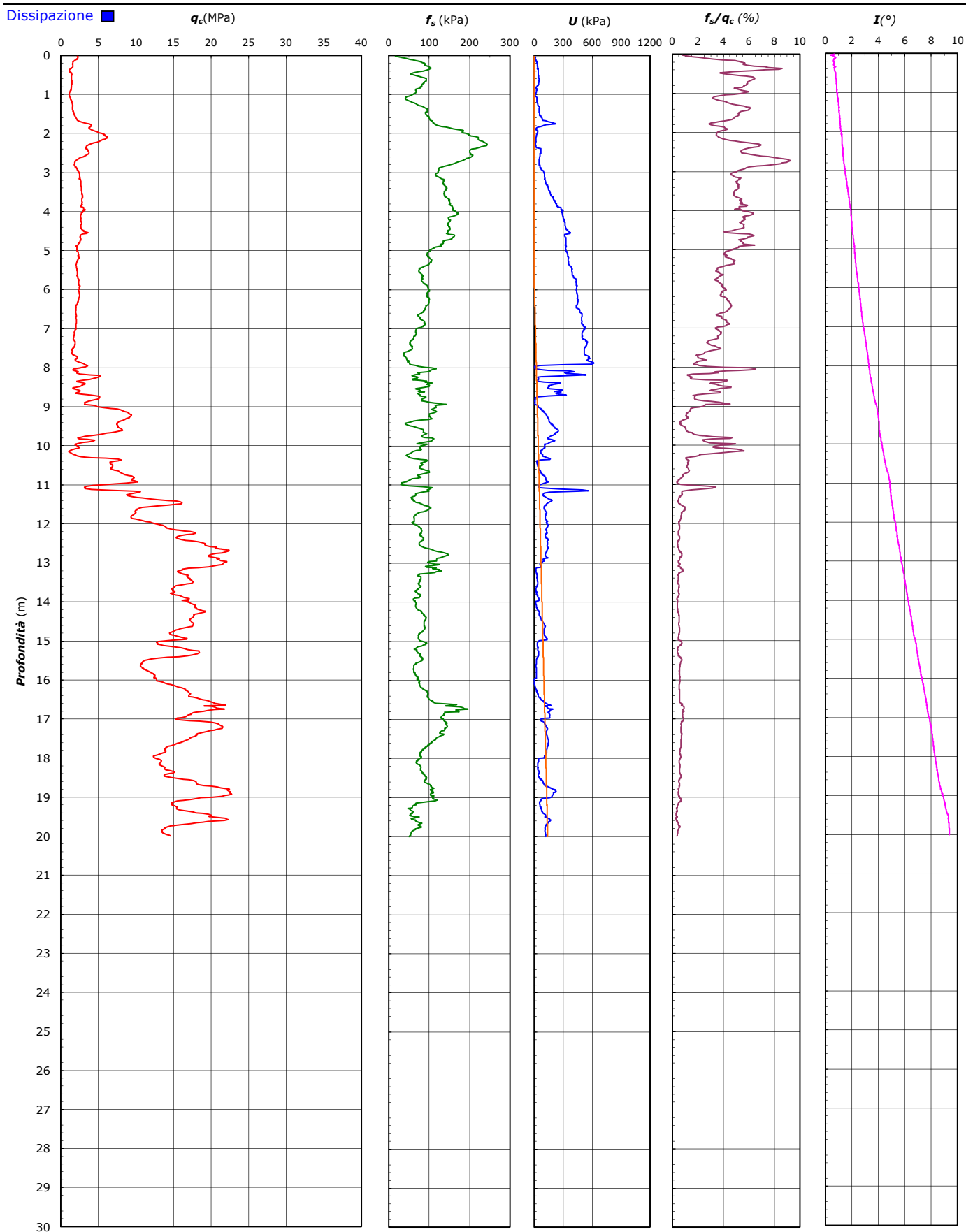
DATA: 03/03/22 PREFORO (m da p.c.):

LAT. (WGS 84): 44.948723°

LONG. (WGS 84): 10.066200°

COMMESSA: 23711FE/22

C. SITO N°: SFxxxxxx del 08/03/2022 OPERATORE: L. Formisano



Il Responsabile Prove in Sito:
dott. Massimo Romagnoli

FERRARA DEPARTMENT

Via Annibale Zucchini, 69 – 44122 Ferrara (FE)

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COMMITTENTE: ENGEIO S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma

CANTIERE: via Piazza Giuseppe Verdi - Roncole Verdi - Busseto (PR)

PROVA N°: CPTU 8 PROF. FALDA (m da p.c.): 5.80 PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

DATA: 03/03/22 PREFORO (m da p.c.): LAT. (WGS 84): 44.948723° LONG. (WGS 84): 10.066200°

COMMESSA: 23711FE/22 C. SITO N°: SFxxxxxx del 08/03/202 OPERATORE: L. Formisano

UBICAZIONE

Località: via Piazza Giuseppe Verdi - Roncole Verdi - Busseto (PR)



NOTE: Utilizzato 1 anello allargatore da inizio prova

FERRARA DEPARTMENT

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SOCOTEC ITALIA Srl - P.Iva 01872430648

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www.socotec.it**COMMITTENTE: ENGELO S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma****CANTIERE: Frazione Samboseto - Busseto (PR)**

PROVA N°: CPTU 9 PROF. FALDA (m da p.c.): 4.30

PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

DATA: 04/03/22

PREFORO (m da p.c.):

LAT. (WGS 84): 44.955564°

LONG. (WGS 84): 10.127363°

COMMESSA: 23711FE/22

C. SITO N°: SF220211 del 08/03/202 OPERATORE: L. Formisano

| prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi |
|---------|--------|--------|-------|-------------|---------|--------|--------|-------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|
| 0.02 | 0.76 | 19.64 | 4.28 | 0.52 | 2.02 | 1.74 | 20.93 | 10.74 | 1.20 | 4.02 | 1.03 | 85.73 | 196.33 | 2.04 | 6.02 | 1.32 | 95.24 | 272.85 | 2.86 | 8.02 | 1.59 | 89.75 | 264.71 | 3.70 |
| 0.04 | 0.98 | 29.08 | 8.30 | 0.82 | 2.04 | 1.73 | 26.04 | 9.93 | 1.21 | 4.04 | 1.03 | 88.06 | 195.52 | 2.04 | 6.04 | 1.31 | 93.57 | 272.85 | 2.88 | 8.04 | 1.58 | 89.97 | 264.71 | 3.71 |
| 0.06 | 1.11 | 37.30 | 6.67 | 0.73 | 2.06 | 1.84 | 31.93 | 9.11 | 1.21 | 4.06 | 1.05 | 88.62 | 196.33 | 2.06 | 6.06 | 1.28 | 93.02 | 272.03 | 2.88 | 8.06 | 1.60 | 96.43 | 263.08 | 3.73 |
| 0.08 | 1.08 | 46.97 | 4.28 | 1.12 | 2.08 | 2.00 | 39.04 | 6.67 | 1.22 | 4.08 | 1.05 | 88.62 | 196.33 | 2.05 | 6.08 | 1.26 | 92.24 | 272.03 | 2.88 | 8.08 | 1.62 | 95.66 | 263.89 | 3.72 |
| 0.10 | 1.11 | 53.96 | 3.91 | 0.55 | 2.10 | 2.00 | 42.82 | 4.23 | 1.24 | 4.10 | 1.08 | 86.84 | 196.33 | 2.06 | 6.10 | 1.26 | 91.79 | 271.22 | 2.89 | 8.10 | 1.66 | 93.55 | 263.89 | 3.74 |
| 0.12 | 1.19 | 57.30 | 4.73 | 1.04 | 2.12 | 1.74 | 43.93 | 2.60 | 1.24 | 4.12 | 1.13 | 84.28 | 197.15 | 2.07 | 6.12 | 1.24 | 92.90 | 271.22 | 2.89 | 8.12 | 1.71 | 90.99 | 263.89 | 3.74 |
| 0.14 | 1.20 | 54.96 | 6.35 | 0.90 | 2.14 | 1.44 | 46.60 | 2.60 | 1.24 | 4.14 | 1.12 | 81.39 | 197.15 | 2.09 | 6.14 | 1.23 | 92.79 | 271.22 | 2.90 | 8.14 | 1.74 | 91.11 | 263.89 | 3.75 |
| 0.16 | 1.25 | 58.96 | 4.47 | 0.68 | 2.16 | 1.20 | 48.81 | 3.41 | 1.23 | 4.16 | 1.11 | 80.50 | 197.96 | 2.09 | 6.16 | 1.24 | 91.79 | 270.41 | 2.91 | 8.16 | 1.74 | 90.88 | 263.89 | 3.76 |
| 0.18 | 1.19 | 66.85 | 4.91 | 0.88 | 2.18 | 1.18 | 47.37 | 25.39 | 1.26 | 4.18 | 1.08 | 81.38 | 197.96 | 2.11 | 6.18 | 1.26 | 90.23 | 270.41 | 2.92 | 8.18 | 1.74 | 89.32 | 263.89 | 3.76 |
| 0.20 | 1.09 | 68.63 | 7.98 | 0.78 | 2.20 | 1.48 | 39.92 | 53.07 | 1.26 | 4.20 | 1.07 | 83.94 | 197.96 | 2.11 | 6.20 | 1.23 | 89.68 | 270.41 | 2.93 | 8.20 | 1.74 | 87.77 | 263.89 | 3.77 |
| 0.22 | 1.10 | 68.08 | 7.17 | 0.66 | 2.22 | 2.01 | 37.15 | 53.89 | 1.24 | 4.22 | 1.04 | 86.60 | 197.96 | 2.12 | 6.22 | 1.23 | 88.68 | 270.41 | 2.95 | 8.22 | 1.77 | 86.43 | 263.89 | 3.78 |
| 0.24 | 1.03 | 67.19 | 8.79 | 0.69 | 2.24 | 2.64 | 37.81 | 49.00 | 1.24 | 4.24 | 1.01 | 86.93 | 198.77 | 2.12 | 6.24 | 1.24 | 88.34 | 269.59 | 2.96 | 8.24 | 1.79 | 86.54 | 263.89 | 3.79 |
| 0.26 | 1.00 | 67.97 | 5.54 | 0.64 | 2.26 | 3.12 | 42.14 | 42.49 | 1.26 | 4.26 | 1.05 | 87.48 | 202.03 | 2.19 | 6.26 | 1.24 | 88.34 | 269.59 | 2.96 | 8.26 | 1.79 | 87.43 | 264.71 | 3.80 |
| 0.28 | 0.92 | 66.86 | 7.98 | 0.68 | 2.28 | 3.42 | 43.47 | 41.67 | 1.27 | 4.28 | 1.04 | 86.70 | 199.59 | 2.14 | 6.28 | 1.19 | 86.12 | 268.78 | 2.96 | 8.28 | 1.87 | 86.10 | 265.53 | 3.81 |
| 0.30 | 0.84 | 62.98 | 10.42 | 0.71 | 2.30 | 3.56 | 43.25 | 41.67 | 1.27 | 4.30 | 1.05 | 86.03 | 200.41 | 2.15 | 6.30 | 1.16 | 82.56 | 267.15 | 2.98 | 8.30 | 1.88 | 86.43 | 266.34 | 3.82 |
| 0.32 | 0.83 | 61.43 | 7.98 | 0.68 | 2.32 | 3.56 | 44.47 | 42.49 | 1.30 | 4.32 | 1.12 | 84.26 | 201.22 | 2.16 | 6.32 | 1.18 | 79.45 | 267.15 | 2.98 | 8.32 | 1.92 | 87.88 | 266.34 | 3.82 |
| 0.34 | 0.82 | 61.77 | 9.61 | 0.69 | 2.34 | 3.46 | 43.91 | 42.49 | 1.30 | 4.34 | 1.15 | 83.59 | 202.03 | 2.17 | 6.34 | 1.19 | 78.67 | 267.15 | 3.00 | 8.34 | 1.88 | 89.21 | 267.15 | 3.84 |
| 0.36 | 0.77 | 62.21 | 10.42 | 0.67 | 2.36 | 3.14 | 42.13 | 41.67 | 1.30 | 4.36 | 1.15 | 84.25 | 202.03 | 2.19 | 6.36 | 1.19 | 79.56 | 267.15 | 3.00 | 8.36 | 1.87 | 89.99 | 268.78 | 3.84 |
| 0.38 | 0.77 | 61.77 | 10.42 | 0.71 | 2.38 | 2.64 | 42.79 | 40.86 | 1.31 | 4.38 | 1.21 | 81.47 | 202.03 | 2.19 | 6.38 | 1.16 | 81.67 | 267.15 | 3.01 | 8.38 | 1.92 | 88.54 | 270.41 | 3.84 |
| 0.40 | 0.82 | 60.78 | 11.23 | 0.68 | 2.40 | 2.10 | 43.35 | 39.23 | 1.31 | 4.40 | 1.21 | 78.91 | 202.85 | 2.21 | 6.40 | 1.14 | 82.56 | 267.15 | 3.02 | 8.40 | 1.93 | 87.21 | 271.22 | 3.85 |
| 0.42 | 0.82 | 59.45 | 11.23 | 0.74 | 2.42 | 1.81 | 43.68 | 38.42 | 1.34 | 4.42 | 1.22 | 77.24 | 202.85 | 2.21 | 6.42 | 1.16 | 82.89 | 267.15 | 3.02 | 8.42 | 1.96 | 87.32 | 272.03 | 3.87 |
| 0.44 | 0.84 | 56.79 | 12.05 | 0.70 | 2.44 | 1.56 | 43.46 | 38.42 | 1.35 | 4.44 | 1.21 | 78.80 | 202.85 | 2.22 | 6.44 | 1.18 | 83.67 | 267.15 | 3.03 | 8.44 | 1.99 | 87.21 | 272.85 | 3.88 |
| 0.46 | 0.92 | 54.35 | 12.05 | 0.74 | 2.46 | 1.52 | 46.01 | 38.42 | 1.36 | 4.46 | 1.21 | 81.91 | 203.66 | 2.22 | 6.46 | 1.17 | 83.78 | 267.15 | 3.03 | 8.46 | 2.04 | 86.65 | 274.48 | 3.89 |
| 0.48 | 0.97 | 54.13 | 12.05 | 0.74 | 2.48 | 1.79 | 44.12 | 40.86 | 1.37 | 4.48 | 1.17 | 84.46 | 204.47 | 2.24 | 6.48 | 1.19 | 84.44 | 267.15 | 3.05 | 8.48 | 2.06 | 86.54 | 276.92 | 3.89 |
| 0.50 | 1.00 | 53.24 | 12.05 | 0.74 | 2.50 | 2.09 | 42.67 | 40.05 | 1.37 | 4.50 | 1.19 | 87.35 | 206.10 | 2.24 | 6.50 | 1.22 | 84.67 | 267.15 | 3.06 | 8.50 | 2.09 | 85.99 | 277.73 | 3.91 |
| 0.52 | 1.02 | 52.80 | 11.23 | 0.74 | 2.52 | 2.12 | 47.67 | 37.61 | 1.38 | 4.52 | 1.17 | 92.35 | 206.91 | 2.25 | 6.52 | 1.27 | 83.78 | 267.97 | 3.07 | 8.52 | 2.06 | 86.21 | 286.69 | 3.92 |
| 0.54 | 1.05 | 55.03 | 11.23 | 0.77 | 2.54 | 2.06 | 51.89 | 35.97 | 1.39 | 4.54 | 1.22 | 92.34 | 206.91 | 2.26 | 6.54 | 1.30 | 82.00 | 268.78 | 3.07 | 8.54 | 2.09 | 85.43 | 288.31 | 3.93 |
| 0.56 | 1.13 | 57.14 | 11.23 | 0.75 | 2.56 | 1.90 | 53.67 | 35.16 | 1.42 | 4.56 | 1.23 | 89.45 | 208.55 | 2.27 | 6.56 | 1.32 | 80.78 | 268.78 | 3.09 | 8.56 | 2.09 | 84.87 | 302.15 | 3.93 |
| 0.58 | 1.29 | 58.59 | 11.23 | 0.78 | 2.58 | 1.80 | 54.88 | 33.53 | 1.41 | 4.58 | 1.23 | 85.34 | 208.55 | 2.28 | 6.58 | 1.33 | 80.11 | 268.78 | 3.10 | 8.58 | 2.12 | 82.98 | 305.41 | 3.94 |
| 0.60 | 1.23 | 53.93 | 10.42 | 0.79 | 2.60 | 1.66 | 54.66 | 32.72 | 1.44 | 4.60 | 1.26 | 81.11 | 209.36 | 2.28 | 6.60 | 1.32 | 81.89 | 267.97 | 3.10 | 8.60 | 2.14 | 83.09 | 315.18 | 3.95 |
| 0.62 | 1.23 | 55.15 | 9.61 | 0.76 | 2.62 | 1.37 | 58.21 | 30.28 | 1.44 | 4.62 | 1.26 | 76.11 | 209.36 | 2.30 | 6.62 | 1.30 | 83.44 | 267.97 | 3.11 | 8.62 | 2.11 | 84.09 | 350.99 | 3.96 |
| 0.64 | 1.65 | 59.82 | 9.61 | 0.80 | 2.64 | 1.12 | 62.32 | 27.83 | 1.43 | 4.64 | 1.23 | 72.66 | 209.36 | 2.29 | 6.64 | 1.25 | 85.66 | 267.97 | 3.11 | 8.64 | 2.11 | 83.54 | 394.95 | 3.98 |
| 0.66 | 1.82 | 52.83 | 8.79 | 0.79 | 2.66 | 0.91 | 65.99 | 27.83 | 1.46 | 4.66 | 1.23 | 71.66 | 210.17 | 2.31 | 6.66 | 1.25 | 87.89 | 267.97 | 3.13 | 8.66 | 2.19 | 79.54 | 454.37 | 4.00 |
| 0.68 | 1.68 | 57.49 | 8.79 | 0.78 | 2.68 | 0.74 | 62.21 | 30.28 | 1.47 | 4.68 | 1.28 | 72.77 | 210.99 | 2.31 | 6.68 | 1.30 | 89.33 | 267.97 | 3.14 | 8.68 | 2.20 | 77.32 | 594.38 | 4.00 |
| 0.70 | 1.49 | 52.83 | 9.61 | 0.78 | 2.70 | 0.59 | 50.53 | 32.72 | 1.47 | 4.70 | 1.28 | 75.10 | 211.80 | 2.32 | 6.70 | 1.32 | 89.77 | 267.15 | 3.15 | 8.70 | 2.23 | 73.87 | 683.11 | 4.00 |
| 0.72 | 1.22 | 52.72 | 8.79 | 0.82 | 2.72 | 0.54 | 41.98 | 41.67 | 1.46 | 4.72 | 1.23 | 80.88 | 215.87 | 2.32 | 6.72 | 1.33 | 89.55 | 267.97 | 3.16 | 8.72 | 2.23 | 68.21 | 724.62 | 4.02 |
| 0.74 | 1.24 | 54.50 | 5.54 | 0.80 | 2.74 | 0.56 | 34.08 | 50.63 | 1.48 | 4.74 | 1.31 | 83.55 | 216.69 | 2.34 | 6.74 | 1.33 | 89.55 | 267.97 | 3.17 | 8.74 | 2.23 | 62.65 | 749.85 | 4.03 |
| 0.76 | 1.27 | 55.28 | 6.35 | 0.81 | 2.76 | 0.60 | 28.75 | 63.65 | 1.47 | 4.76 | 1.40 | 83.88 | 217.50 | 2.35 | 6.76 | 1.41 | 88.33 | 267.97 | 3.18 | 8.76 | 2.26 | 59.10 | 794.63 | 4.03 |
| 0.78 | 1.24 | 57.84 | 4.73 | 0.81 | 2.78 | 0.68 | 27.96 | 77.49 | 1.48 | 4.78 | 1.48 | 82.43 | 218.31 | 2.35 | 6.78 | 1.41 | 90.33 | 268.78 | 3.19 | 8.78 | 2.31 | 56.65 | 797.88 | 4.04 |
| 0.80 | 1.29 | 58.62 | 5.28 | 0.82 | 2.80 | 0.74 | 27.41 | 88.07 | 1.48 | 4.80 | 1.54 | 79.98 | 218.31 | 2.36 | 6.80 | 1.43 | 92.22 | 268.78 | 3.20 | 8.80 | 2.38 | 54.32 | 809.27 | 4.04 |
| 0.82 | 1.30 | 59.84 | 4.47 | 0.84 | 2.82 | 0.81 | 24.96 | 94.59 | 1.49 | 4.82 | 1.56 | 79.32 | 218.31 | 2.37 | 6.82 | 1.44 | 94.66 | 269.59 | 3.20 | 8.82 | 2.41 | 54.77 | 813.35 | 4.05 |
| 0.84 | 1.32 | 61.29 | 4.47 | 0.85 | 2.84 | 0.84 | 23.74 | 95.40 | 1.50 | 4.84 | 1.53 | 80.65 | 218.31 | 2.38 | 6.84 | 1.49 | 95.10 | 269.59 | 3.22 | 8.84 | 2.50 | 53.99 | 817.41 | 4.05 |
| 0.86 | 1.34 | 62.07 | 4.47 | 0.85 | 2.86 | 0.92 | 22.62 | 95.40 | 1.50 | 4.86 | 1.48 | 83.53 | 218.31 | 2.38 | 6.86 | 1.50 | 96.32 | 269.59 | 3.23 | 8.86 | 2.73 | 52.21 | 825.55 | 4.07 |
| 0.88 | 1.32 | 63.07 | 4.97 | 0.87 | 2.88 | 0.95 | | | | | | | | | | | | | | | | | | |

FERRARA DEPARTMENT

Via Annibale Zucchini, 69 – 44122 Ferrara (FE)

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SOCOTEC ITALIA Srl – P.Iva 01872430648

Headquarters: Via Bariola, 101-103 - 20020 Lainate (MI)

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www.socotec.it**COMMITTENTE: ENGE O S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma****CANTIERE: Frazione Samboseto - Busseto (PR)**

PROVA N°: CPTU 9 PROF. FALDA (m da p.c.): 4.30 PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

DATA: 04/03/22 PREFORO (m da p.c.): LAT. (WGS 84): 44.955564° LONG. (WGS 84): 10.127363°

COMMESSA: 23711FE/22 C. SITO N°: SF220211 del 08/03/202 OPERATORE: L. Formisano

| prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi |
|---------|--------|--------|--------|-------------|---------|--------|--------|-------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|
| 10.02 | 16.26 | 99.52 | 105.98 | 4.62 | 12.02 | 12.59 | 67.94 | 75.86 | 5.33 | 14.02 | 15.95 | 98.86 | 89.70 | 6.17 | 16.02 | 17.31 | 107.98 | 99.47 | 6.96 | 18.02 | 19.31 | 117.98 | 109.47 | 7.75 |
| 10.04 | 16.01 | 100.63 | 104.35 | 4.63 | 12.04 | 12.41 | 72.19 | 68.53 | 5.34 | 14.04 | 16.03 | 91.75 | 89.70 | 6.18 | 16.04 | 17.28 | 111.65 | 99.47 | 6.97 | 18.04 | 19.28 | 117.98 | 109.47 | 7.75 |
| 10.06 | 15.76 | 101.75 | 102.73 | 4.64 | 12.06 | 12.51 | 72.97 | 66.91 | 5.34 | 14.06 | 16.33 | 81.11 | 73.42 | 6.20 | 16.06 | 17.40 | 113.65 | 100.28 | 6.98 | 18.06 | 19.40 | 119.98 | 111.47 | 7.77 |
| 10.08 | 15.22 | 103.75 | 101.09 | 4.65 | 12.08 | 12.52 | 73.87 | 66.09 | 5.36 | 14.08 | 16.63 | 78.56 | 71.79 | 6.22 | 16.08 | 17.91 | 112.24 | 86.45 | 6.99 | 18.08 | 19.91 | 122.24 | 86.45 | 6.99 |
| 10.10 | 14.77 | 104.53 | 99.47 | 4.67 | 12.10 | 12.36 | 74.42 | 64.47 | 5.37 | 14.10 | 17.19 | 68.79 | 71.79 | 6.23 | 16.10 | 18.12 | 113.47 | 86.45 | 7.00 | 18.10 | 19.92 | 123.47 | 86.45 | 7.00 |
| 10.12 | 14.72 | 103.74 | 99.47 | 4.67 | 12.12 | 12.22 | 73.54 | 63.65 | 5.38 | 14.12 | 17.91 | 65.46 | 72.61 | 6.22 | 16.12 | 18.39 | 113.25 | 87.26 | 7.01 | 18.12 | 19.93 | 123.47 | 87.26 | 7.01 |
| 10.14 | 14.41 | 104.74 | 99.47 | 4.67 | 12.14 | 12.05 | 72.98 | 62.84 | 5.38 | 14.14 | 18.43 | 65.68 | 73.42 | 6.22 | 16.14 | 18.52 | 109.70 | 88.07 | 7.03 | 18.14 | 19.94 | 123.47 | 88.07 | 7.03 |
| 10.16 | 14.20 | 103.63 | 97.03 | 4.68 | 12.16 | 12.14 | 71.76 | 63.65 | 5.39 | 14.16 | 18.64 | 66.13 | 73.42 | 6.24 | 16.16 | 18.60 | 103.59 | 89.70 | 7.04 | 18.16 | 19.95 | 123.47 | 89.70 | 7.04 |
| 10.18 | 13.99 | 102.51 | 94.59 | 4.69 | 12.18 | 12.09 | 71.31 | 63.65 | 5.40 | 14.18 | 18.42 | 66.69 | 72.61 | 6.25 | 16.18 | 18.39 | 98.92 | 89.70 | 7.05 | 18.18 | 19.96 | 123.47 | 89.70 | 7.05 |
| 10.20 | 13.82 | 100.40 | 91.33 | 4.70 | 12.20 | 12.13 | 71.87 | 63.65 | 5.41 | 14.20 | 17.99 | 68.14 | 71.79 | 6.25 | 16.20 | 17.91 | 98.25 | 89.70 | 7.06 | 18.20 | 19.97 | 123.47 | 89.70 | 7.06 |
| 10.22 | 13.53 | 99.40 | 88.89 | 4.69 | 12.22 | 12.36 | 70.98 | 63.65 | 5.42 | 14.22 | 18.14 | 72.92 | 73.42 | 6.26 | 16.22 | 16.80 | 97.58 | 87.26 | 7.07 | 18.22 | 19.98 | 123.47 | 87.26 | 7.07 |
| 10.24 | 13.58 | 99.40 | 88.07 | 4.71 | 12.24 | 12.67 | 69.87 | 64.47 | 5.42 | 14.24 | 17.58 | 95.48 | 70.98 | 6.26 | 16.24 | 16.15 | 97.02 | 85.63 | 7.08 | 18.24 | 19.99 | 123.47 | 85.63 | 7.08 |
| 10.26 | 13.63 | 99.40 | 87.26 | 4.72 | 12.26 | 12.89 | 69.75 | 65.28 | 5.43 | 14.26 | 17.77 | 92.82 | 71.79 | 6.27 | 16.26 | 15.70 | 93.68 | 86.45 | 7.09 | 18.26 | 19.99 | 123.47 | 86.45 | 7.09 |
| 10.28 | 13.67 | 99.40 | 86.45 | 4.74 | 12.28 | 13.08 | 69.98 | 66.09 | 5.44 | 14.28 | 17.85 | 91.04 | 72.61 | 6.28 | 16.28 | 15.54 | 88.57 | 87.26 | 7.09 | 18.28 | 19.99 | 123.47 | 87.26 | 7.09 |
| 10.30 | 13.78 | 99.62 | 85.63 | 4.74 | 12.30 | 13.01 | 71.09 | 66.09 | 5.44 | 14.30 | 17.74 | 92.70 | 72.61 | 6.30 | 16.30 | 15.54 | 84.79 | 88.89 | 7.10 | 18.30 | 19.99 | 123.47 | 88.89 | 7.10 |
| 10.32 | 13.80 | 99.18 | 85.63 | 4.75 | 12.32 | 12.95 | 72.20 | 66.09 | 5.45 | 14.32 | 17.65 | 93.71 | 73.42 | 6.32 | 16.32 | 15.70 | 82.68 | 89.70 | 7.11 | 18.32 | 19.99 | 123.47 | 89.70 | 7.11 |
| 10.34 | 13.82 | 98.18 | 84.81 | 4.76 | 12.34 | 12.93 | 70.42 | 66.09 | 5.46 | 14.34 | 17.73 | 96.70 | 74.23 | 6.30 | 16.34 | 15.84 | 80.12 | 90.51 | 7.13 | 18.34 | 19.99 | 123.47 | 90.51 | 7.13 |
| 10.36 | 13.85 | 97.51 | 84.81 | 4.77 | 12.36 | 12.85 | 68.75 | 66.91 | 5.47 | 14.36 | 17.65 | 99.26 | 75.05 | 6.31 | 16.36 | 16.27 | 75.34 | 92.95 | 7.14 | 18.36 | 19.99 | 123.47 | 92.95 | 7.14 |
| 10.38 | 13.85 | 98.62 | 84.81 | 4.77 | 12.38 | 12.68 | 67.97 | 66.91 | 5.48 | 14.38 | 17.41 | 93.15 | 75.05 | 6.32 | 16.38 | 16.51 | 71.11 | 94.59 | 7.13 | 18.38 | 19.99 | 123.47 | 94.59 | 7.13 |
| 10.40 | 13.80 | 99.18 | 84.81 | 4.78 | 12.40 | 12.52 | 67.97 | 66.91 | 5.48 | 14.40 | 17.23 | 88.92 | 75.05 | 6.32 | 16.40 | 16.68 | 63.78 | 95.40 | 7.14 | 18.40 | 19.99 | 123.47 | 95.40 | 7.14 |
| 10.42 | 13.82 | 99.96 | 84.81 | 4.79 | 12.42 | 12.36 | 68.09 | 66.91 | 5.48 | 14.42 | 17.37 | 87.14 | 75.86 | 6.33 | 16.42 | 17.09 | 66.89 | 97.84 | 7.16 | 18.42 | 19.99 | 123.47 | 97.84 | 7.16 |
| 10.44 | 13.82 | 101.51 | 84.81 | 4.80 | 12.44 | 12.35 | 69.31 | 67.72 | 5.50 | 14.44 | 17.64 | 86.47 | 76.67 | 6.34 | 16.44 | 17.51 | 70.00 | 100.28 | 7.18 | 18.44 | 19.99 | 123.47 | 100.28 | 7.18 |
| 10.46 | 13.88 | 103.29 | 85.63 | 4.80 | 12.46 | 12.49 | 68.08 | 68.53 | 5.50 | 14.46 | 17.72 | 87.59 | 77.49 | 6.35 | 16.46 | 18.24 | 67.67 | 102.73 | 7.20 | 18.46 | 19.99 | 123.47 | 102.73 | 7.20 |
| 10.48 | 13.90 | 106.29 | 85.63 | 4.81 | 12.48 | 12.69 | 67.08 | 70.17 | 5.52 | 14.48 | 17.80 | 89.47 | 78.31 | 6.36 | 16.48 | 18.79 | 67.67 | 105.17 | 7.21 | 18.48 | 19.99 | 123.47 | 105.17 | 7.21 |
| 10.50 | 13.97 | 108.40 | 85.63 | 4.82 | 12.50 | 12.98 | 65.86 | 71.79 | 5.52 | 14.50 | 17.82 | 91.47 | 79.12 | 6.36 | 16.50 | 19.32 | 66.33 | 108.42 | 7.22 | 18.50 | 19.99 | 123.47 | 108.42 | 7.22 |
| 10.52 | 13.99 | 109.07 | 86.45 | 4.82 | 12.52 | 13.33 | 65.19 | 73.42 | 5.53 | 14.52 | 17.80 | 94.02 | 79.93 | 6.37 | 16.52 | 19.47 | 67.44 | 110.05 | 7.22 | 18.52 | 19.99 | 123.47 | 110.05 | 7.22 |
| 10.54 | 14.24 | 111.51 | 87.26 | 4.83 | 12.54 | 13.68 | 65.07 | 75.05 | 5.54 | 14.54 | 17.93 | 97.35 | 80.75 | 6.38 | 16.54 | 19.76 | 70.00 | 113.31 | 7.24 | 18.54 | 19.99 | 123.47 | 113.31 | 7.24 |
| 10.56 | 14.64 | 113.07 | 88.89 | 4.85 | 12.56 | 13.88 | 65.63 | 75.86 | 5.54 | 14.56 | 18.35 | 100.68 | 83.19 | 6.39 | 16.56 | 21.06 | 72.78 | 119.82 | 7.25 | 18.56 | 19.99 | 123.47 | 119.82 | 7.25 |
| 10.58 | 14.99 | 115.51 | 90.51 | 4.85 | 12.58 | 13.93 | 67.40 | 77.49 | 5.56 | 14.58 | 18.72 | 101.46 | 85.63 | 6.39 | 16.58 | 22.22 | 95.00 | 125.51 | 7.28 | 18.58 | 19.99 | 123.47 | 125.51 | 7.28 |
| 10.60 | 15.47 | 117.29 | 92.14 | 4.86 | 12.60 | 13.80 | 70.40 | 78.31 | 5.56 | 14.60 | 18.81 | 100.46 | 87.26 | 6.40 | 16.60 | 23.52 | 93.78 | 130.40 | 7.31 | 18.60 | 19.99 | 123.47 | 130.40 | 7.31 |
| 10.62 | 15.72 | 121.73 | 92.95 | 4.86 | 12.62 | 13.61 | 73.84 | 78.31 | 5.57 | 14.62 | 18.70 | 100.79 | 88.89 | 6.41 | 16.62 | 24.93 | 87.67 | 137.73 | 7.32 | 18.62 | 19.99 | 123.47 | 137.73 | 7.32 |
| 10.64 | 16.31 | 123.96 | 94.59 | 4.87 | 12.64 | 13.40 | 76.51 | 78.31 | 5.59 | 14.64 | 18.35 | 100.79 | 88.89 | 6.42 | 16.64 | 25.79 | 103.22 | 139.35 | 7.34 | 18.64 | 19.99 | 123.47 | 139.35 | 7.34 |
| 10.66 | 16.37 | 126.96 | 94.59 | 4.88 | 12.66 | 13.26 | 77.95 | 79.12 | 5.60 | 14.66 | 17.84 | 101.90 | 89.70 | 6.43 | 16.66 | 25.44 | 122.78 | 131.21 | 7.37 | 18.66 | 19.99 | 123.47 | 131.21 | 7.37 |
| 10.68 | 16.26 | 133.18 | 94.59 | 4.90 | 12.68 | 13.21 | 79.06 | 79.12 | 5.62 | 14.68 | 17.35 | 104.23 | 89.70 | 6.44 | 16.68 | 26.62 | 126.45 | 135.29 | 7.38 | 18.68 | 19.99 | 123.47 | 135.29 | 7.38 |
| 10.70 | 16.08 | 140.95 | 94.59 | 4.91 | 12.70 | 13.45 | 79.28 | 80.75 | 5.62 | 14.70 | 17.05 | 105.11 | 90.51 | 6.44 | 16.70 | 28.11 | 131.67 | 139.35 | 7.40 | 18.70 | 19.99 | 123.47 | 139.35 | 7.40 |
| 10.72 | 16.07 | 145.62 | 95.40 | 4.91 | 12.72 | 13.73 | 77.84 | 82.37 | 5.62 | 14.72 | 16.74 | 106.00 | 91.33 | 6.44 | 16.72 | 31.37 | 136.23 | 149.93 | 7.42 | 18.72 | 19.99 | 123.47 | 149.93 | 7.42 |
| 10.74 | 16.43 | 146.17 | 97.03 | 4.93 | 12.74 | 14.07 | 75.39 | 83.19 | 5.64 | 14.74 | 16.63 | 104.88 | 92.14 | 6.46 | 16.74 | 28.11 | 131.67 | 139.35 | 7.40 | 18.74 | 19.99 | 123.47 | 139.35 | 7.40 |
| 10.76 | 16.91 | 145.28 | 99.47 | 4.93 | 12.76 | 14.37 | 73.83 | 84.81 | 5.65 | 14.76 | 16.79 | 102.43 | 93.77 | 6.47 | 16.76 | 31.37 | 136.23 | 149.93 | 7.42 | 18.76 | 19.99 | 123.47 | 149.93 | 7.42 |
| 10.78 | 16.98 | 149.94 | 101.91 | 4.94 | 12.78 | 14.72 | 72.16 | 86.45 | 5.67 | 14.78 | 17.40 | 99.43 | 97.03 | 6.47 | 16.78 | 31.37 | 136.23 | 149.93 | 7.42 | 18.78 | 19.99 | 123.47 | 149.93 | 7.42 |
| 10.80 | 17.51 | 149.05 | 103.54 | 4.95 | 12.80 | 15.14 | 70.61 | 88.07 | 5.67 | 14.80 | 18.44 | 95.43 | 101.09 | 6.48 | 16.80 | 31.37 | 136.23 | 149.93 | 7.42 | 18.80 | 19.99 | 123.47 | 149.93 | 7.42 |
| 10.82 | 17.73 | 145.93 | 105.17 | 4.96 | 12.82 | 15.44 | 72.27 | 89.70 | 5.69 | 14.82 | 19.86 | 90.54 | 105.98 | 6.49 | 16.82 | 31.37 | 136.1 | | | | | | | |

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www.socotec.it**COMMITTENTE:** ENGEO S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma**CANTIERE:** Frazione Samboseto - Busseto (PR)

PROVA N°: CPTU 9 PROF. FALDA (m da p.c.): 4.30

PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

DATA: 04/03/22 PREFORO (m da p.c.):

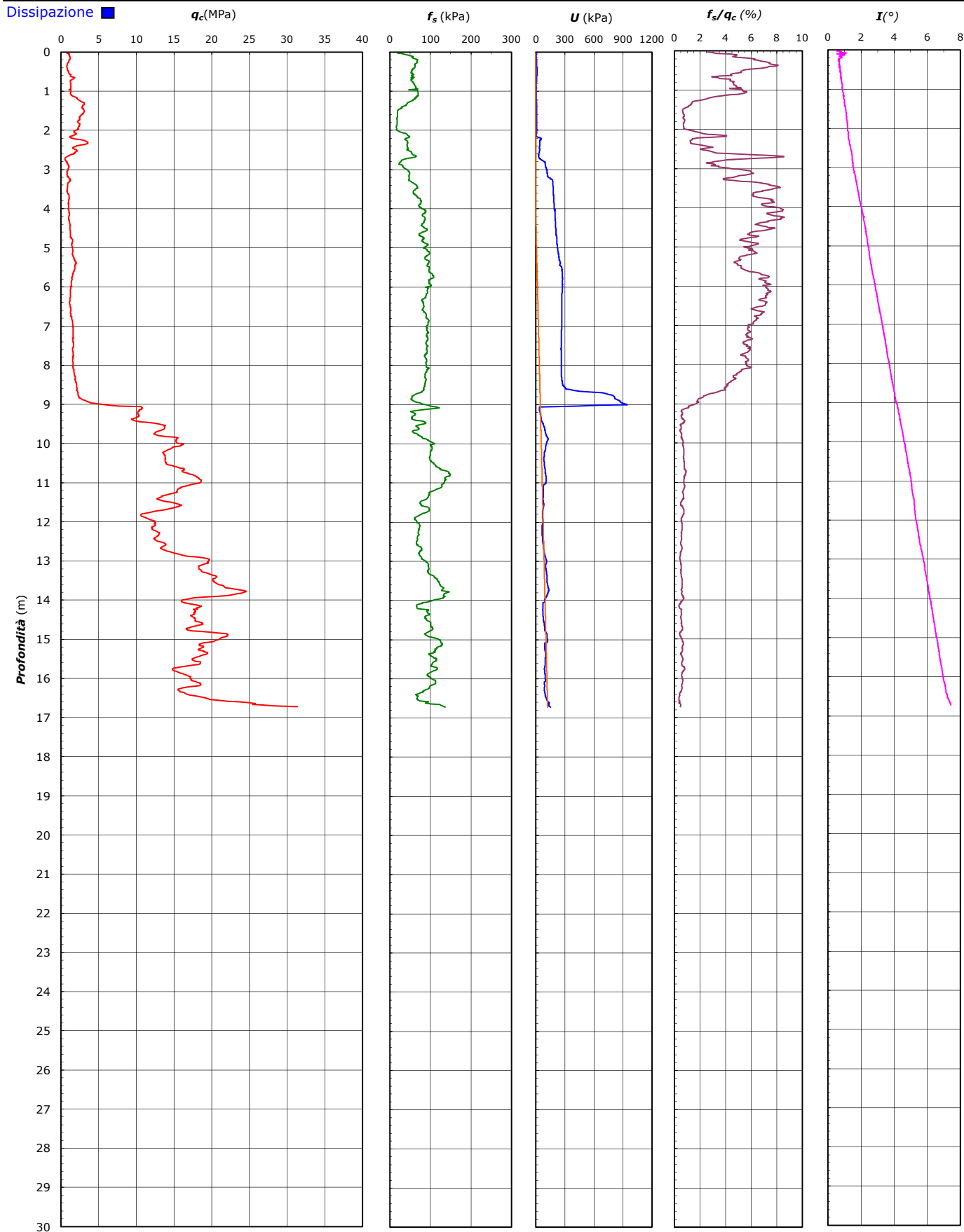
LAT. (WGS 84): 44.955564°

LONG. (WGS 84): 10.127363°

COMMESSA: 23711FE/22

C. SITO N°: SF220211 del 08/03/202 OPERATORE: L. Formisano

Dissipazione ■

Il Responsabile Prove in Sito:
dott. Massimo Romagnoli

FERRARA DEPARTMENT

Via Annibale Zucchini, 69 – 44122 Ferrara (FE)

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COMMITTENTE: ENGEO S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma

CANTIERE: Frazione Samboseto - Busseto (PR)

PROVA N°: CPTU 9 PROF. FALDA (m da p.c.): 4.30 PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

DATA: 04/03/22 PREFORO (m da p.c.): LAT. (WGS 84): 44.955564° LONG. (WGS 84): 10.127363°

COMMESSA: 23711FE/22 C. SITO N°: SF220211 del 08/03/202 OPERATORE: L. Formisano

UBICAZIONE

Località: Frazione Samboseto - Busseto (PR)



NOTE: Utilizzato 1 anello allargatore da inizio prova

FERRARA DEPARTMENT

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SOCOTEC ITALIA Srl - P.Iva 01872430648

Headquarters: Via Bariola, 101-103 - 20020 Lainate (MI)

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www.socotec.it**COMMITTENTE: ENGELO S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma****CANTIERE: Via Traversante della Chiesa - Contrada della Chiesa - Busseto (PR)**

PROVA N°: CPTU 10 PROF. FALDA (m da p.c.): 4.70

PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

DATA: 04/03/22

PREFORO (m da p.c.):

LAT. (WGS 84): 44.953284°

LONG. (WGS 84): 10.014550°

COMMESSA: 23711FE/22

C. SITO N°: SF220212 del 08/03/22 OPERATORE: L. Formisano

| prof. | qc | fs | U | incl. | prof. | qc | fs | U | incl. | prof. | qc | fs | U | incl. | prof. | qc | fs | U | incl. | prof. | qc | fs | U | incl. |
|-------|------|-------|-------|-------|-------|------|--------|--------|-------|-------|------|-------|--------|-------|-------|------|--------|--------|-------|-------|------|--------|--------|-------|
| m | Mpa | kPa | kPa | gradi | m | Mpa | kPa | kPa | gradi | m | Mpa | kPa | kPa | gradi | m | Mpa | kPa | kPa | gradi | m | Mpa | kPa | kPa | gradi |
| 0.02 | 1.19 | 15.76 | 3.41 | 0.94 | 2.02 | 2.70 | 145.29 | 106.79 | 1.52 | 4.02 | 1.67 | 45.74 | 375.41 | 2.34 | 6.02 | 1.71 | 94.97 | 596.82 | 3.15 | 8.02 | 1.83 | 114.25 | 372.16 | 3.97 |
| 0.04 | 1.30 | 20.98 | 3.41 | 0.96 | 2.04 | 2.72 | 141.73 | 109.23 | 1.53 | 4.04 | 1.72 | 50.19 | 372.16 | 2.35 | 6.04 | 1.68 | 97.64 | 600.08 | 3.15 | 8.04 | 1.97 | 109.24 | 391.69 | 3.98 |
| 0.06 | 1.32 | 24.42 | 4.23 | 0.85 | 2.06 | 2.75 | 138.96 | 109.23 | 1.55 | 4.06 | 1.72 | 57.86 | 372.16 | 2.36 | 6.06 | 1.65 | 97.42 | 598.45 | 3.16 | 8.06 | 2.12 | 106.35 | 459.25 | 3.99 |
| 0.08 | 1.38 | 33.65 | 2.60 | 1.07 | 2.08 | 2.80 | 136.18 | 109.23 | 1.56 | 4.08 | 1.66 | 64.97 | 371.35 | 2.37 | 6.08 | 1.62 | 99.19 | 602.52 | 3.17 | 8.08 | 2.07 | 105.35 | 495.89 | 3.99 |
| 0.10 | 1.46 | 36.20 | 1.79 | 0.72 | 2.10 | 2.81 | 135.51 | 109.23 | 1.55 | 4.10 | 1.61 | 70.41 | 368.90 | 2.36 | 6.10 | 1.62 | 100.30 | 603.33 | 3.18 | 8.10 | 2.10 | 103.80 | 529.26 | 3.99 |
| 0.12 | 1.62 | 40.31 | 10.74 | 0.82 | 2.12 | 2.86 | 134.84 | 110.05 | 1.57 | 4.12 | 1.55 | 76.52 | 364.83 | 2.38 | 6.12 | 1.60 | 101.74 | 602.52 | 3.18 | 8.12 | 2.13 | 100.02 | 534.15 | 4.00 |
| 0.14 | 1.55 | 41.31 | 83.19 | 0.98 | 2.14 | 2.86 | 135.29 | 103.54 | 1.57 | 4.14 | 1.47 | 81.96 | 364.83 | 2.39 | 6.14 | 1.65 | 103.96 | 604.15 | 3.18 | 8.14 | 2.13 | 98.57 | 556.93 | 4.00 |
| 0.16 | 1.55 | 47.31 | 56.33 | 0.95 | 2.16 | 2.83 | 137.73 | 100.28 | 1.61 | 4.16 | 1.31 | 84.63 | 365.65 | 2.40 | 6.16 | 1.57 | 104.74 | 604.96 | 3.20 | 8.16 | 2.05 | 101.57 | 555.31 | 4.00 |
| 0.18 | 1.56 | 50.98 | 48.19 | 0.88 | 2.18 | 2.91 | 140.51 | 101.91 | 1.60 | 4.18 | 1.23 | 82.63 | 369.71 | 2.41 | 6.18 | 1.57 | 104.52 | 604.96 | 3.21 | 8.18 | 1.97 | 105.79 | 569.96 | 4.02 |
| 0.20 | 1.54 | 53.54 | 57.95 | 0.89 | 2.20 | 2.91 | 142.51 | 101.91 | 1.61 | 4.20 | 1.23 | 79.41 | 371.35 | 2.41 | 6.20 | 1.53 | 104.40 | 599.27 | 3.22 | 8.20 | 1.94 | 106.79 | 569.96 | 4.02 |
| 0.22 | 1.48 | 53.21 | 47.37 | 0.93 | 2.22 | 2.89 | 141.29 | 101.91 | 1.62 | 4.22 | 1.21 | 75.63 | 374.60 | 2.41 | 6.22 | 1.50 | 105.07 | 596.01 | 3.22 | 8.22 | 2.01 | 106.13 | 566.71 | 4.03 |
| 0.24 | 1.46 | 55.99 | 35.97 | 0.93 | 2.24 | 2.86 | 140.73 | 101.91 | 1.63 | 4.24 | 1.24 | 71.52 | 382.74 | 2.42 | 6.24 | 1.50 | 105.62 | 597.63 | 3.22 | 8.24 | 2.04 | 109.57 | 569.96 | 4.04 |
| 0.26 | 1.40 | 56.11 | 29.47 | 0.94 | 2.26 | 2.78 | 138.51 | 101.91 | 1.64 | 4.26 | 1.31 | 65.63 | 385.18 | 2.44 | 6.26 | 1.45 | 104.74 | 600.08 | 3.22 | 8.26 | 2.10 | 110.57 | 574.03 | 4.05 |
| 0.28 | 1.36 | 54.56 | 23.77 | 0.93 | 2.28 | 2.72 | 136.62 | 102.73 | 1.65 | 4.28 | 1.30 | 63.40 | 385.99 | 2.44 | 6.28 | 1.44 | 105.18 | 601.71 | 3.23 | 8.28 | 2.07 | 109.90 | 574.03 | 4.05 |
| 0.30 | 1.32 | 55.13 | 22.14 | 0.93 | 2.30 | 2.70 | 133.29 | 108.42 | 1.65 | 4.30 | 1.30 | 60.62 | 387.63 | 2.45 | 6.30 | 1.44 | 107.07 | 604.96 | 3.24 | 8.30 | 2.15 | 105.79 | 575.66 | 4.06 |
| 0.32 | 1.32 | 54.59 | 18.07 | 0.94 | 2.32 | 2.68 | 128.40 | 111.68 | 1.65 | 4.32 | 1.37 | 59.73 | 390.07 | 2.46 | 6.32 | 1.45 | 106.39 | 606.59 | 3.25 | 8.32 | 2.13 | 103.23 | 570.77 | 4.06 |
| 0.34 | 1.33 | 54.94 | 17.25 | 0.95 | 2.34 | 2.65 | 122.51 | 113.31 | 1.66 | 4.34 | 1.40 | 59.18 | 392.51 | 2.46 | 6.34 | 1.45 | 104.51 | 605.77 | 3.26 | 8.34 | 2.10 | 106.46 | 568.33 | 4.07 |
| 0.36 | 1.33 | 55.17 | 13.19 | 0.96 | 2.36 | 2.62 | 118.62 | 114.93 | 1.68 | 4.36 | 1.33 | 62.51 | 404.72 | 2.47 | 6.36 | 1.50 | 103.51 | 607.41 | 3.26 | 8.36 | 2.02 | 109.57 | 565.07 | 4.07 |
| 0.38 | 1.30 | 57.96 | 9.93 | 0.96 | 2.38 | 2.57 | 115.28 | 115.75 | 1.68 | 4.38 | 1.40 | 59.95 | 405.53 | 2.48 | 6.38 | 1.50 | 102.61 | 609.85 | 3.27 | 8.38 | 1.97 | 111.35 | 560.19 | 4.09 |
| 0.40 | 1.32 | 60.86 | 7.49 | 0.98 | 2.40 | 2.56 | 112.17 | 119.01 | 1.69 | 4.40 | 1.40 | 59.61 | 406.35 | 2.48 | 6.40 | 1.51 | 101.28 | 609.85 | 3.29 | 8.40 | 1.89 | 114.23 | 556.93 | 4.10 |
| 0.42 | 1.31 | 59.65 | 1.79 | 0.99 | 2.42 | 2.54 | 109.62 | 119.01 | 1.69 | 4.42 | 1.41 | 61.61 | 408.79 | 2.49 | 6.42 | 1.53 | 99.72 | 609.85 | 3.29 | 8.42 | 1.83 | 116.68 | 556.12 | 4.10 |
| 0.44 | 1.32 | 58.33 | 0.16 | 0.99 | 2.44 | 2.52 | 106.73 | 122.26 | 1.70 | 4.44 | 1.43 | 62.39 | 409.60 | 2.50 | 6.44 | 1.56 | 100.39 | 609.85 | 3.30 | 8.44 | 1.77 | 117.46 | 555.31 | 4.11 |
| 0.46 | 1.32 | 57.34 | 0.97 | 1.00 | 2.46 | 2.48 | 103.06 | 124.70 | 1.72 | 4.46 | 1.43 | 62.94 | 412.86 | 2.51 | 6.46 | 1.59 | 103.39 | 613.10 | 3.31 | 8.46 | 1.78 | 114.90 | 556.93 | 4.12 |
| 0.48 | 1.28 | 57.36 | 3.41 | 1.01 | 2.48 | 2.43 | 100.73 | 123.89 | 1.72 | 4.48 | 1.39 | 63.50 | 419.37 | 2.52 | 6.48 | 1.54 | 106.16 | 604.96 | 3.32 | 8.48 | 1.78 | 112.57 | 558.57 | 4.13 |
| 0.50 | 1.25 | 58.93 | 0.16 | 1.03 | 2.50 | 2.35 | 99.61 | 123.07 | 1.73 | 4.50 | 1.36 | 63.61 | 417.74 | 2.54 | 6.50 | 1.51 | 107.71 | 601.71 | 3.33 | 8.50 | 1.77 | 111.79 | 562.63 | 4.14 |
| 0.52 | 1.21 | 60.71 | 1.47 | 1.03 | 2.52 | 2.27 | 98.61 | 123.07 | 1.74 | 4.52 | 1.28 | 67.27 | 416.11 | 2.54 | 6.52 | 1.53 | 109.94 | 607.41 | 3.34 | 8.52 | 1.75 | 110.23 | 561.82 | 4.15 |
| 0.54 | 1.15 | 62.17 | 3.09 | 1.05 | 2.54 | 2.19 | 98.06 | 123.07 | 1.74 | 4.54 | 1.20 | 70.16 | 416.93 | 2.55 | 6.54 | 1.56 | 112.05 | 611.47 | 3.34 | 8.54 | 1.70 | 106.45 | 562.63 | 4.16 |
| 0.56 | 1.09 | 64.07 | 5.54 | 1.07 | 2.56 | 2.11 | 97.28 | 123.07 | 1.75 | 4.56 | 1.20 | 71.38 | 428.33 | 2.56 | 6.56 | 1.62 | 113.94 | 616.36 | 3.36 | 8.56 | 1.69 | 101.90 | 559.38 | 4.17 |
| 0.58 | 1.02 | 66.64 | 7.17 | 1.07 | 2.58 | 2.03 | 97.95 | 123.07 | 1.75 | 4.58 | 1.30 | 69.71 | 469.84 | 2.57 | 6.58 | 1.71 | 114.60 | 622.05 | 3.36 | 8.58 | 1.69 | 98.12 | 557.75 | 4.17 |
| 0.60 | 0.99 | 67.65 | 8.79 | 1.09 | 2.60 | 1.95 | 98.39 | 123.89 | 1.76 | 4.60 | 1.41 | 64.71 | 475.53 | 2.58 | 6.60 | 1.81 | 113.71 | 627.75 | 3.38 | 8.60 | 1.65 | 98.12 | 555.31 | 4.18 |
| 0.62 | 0.94 | 67.99 | 11.23 | 1.10 | 2.62 | 1.89 | 98.51 | 123.89 | 1.76 | 4.62 | 1.57 | 58.60 | 478.79 | 2.59 | 6.62 | 1.86 | 112.71 | 632.64 | 3.39 | 8.62 | 1.59 | 99.01 | 552.87 | 4.18 |
| 0.64 | 0.93 | 68.01 | 11.23 | 1.09 | 2.64 | 1.84 | 97.95 | 124.70 | 1.77 | 4.64 | 1.63 | 56.71 | 469.84 | 2.60 | 6.64 | 1.86 | 112.26 | 631.01 | 3.40 | 8.64 | 1.54 | 99.01 | 551.24 | 4.19 |
| 0.66 | 0.92 | 66.68 | 10.42 | 1.11 | 2.66 | 1.81 | 97.29 | 129.59 | 1.78 | 4.66 | 1.64 | 56.60 | 475.53 | 2.60 | 6.66 | 1.86 | 110.48 | 623.69 | 3.40 | 8.66 | 1.57 | 98.45 | 550.43 | 4.19 |
| 0.68 | 0.88 | 65.47 | 11.23 | 1.10 | 2.68 | 1.76 | 95.62 | 132.03 | 1.79 | 4.68 | 1.68 | 57.93 | 480.42 | 2.61 | 6.68 | 1.79 | 110.82 | 626.13 | 3.42 | 8.68 | 1.53 | 100.01 | 548.79 | 4.20 |
| 0.70 | 0.93 | 65.37 | 5.54 | 1.12 | 2.70 | 1.73 | 94.07 | 131.21 | 1.79 | 4.70 | 1.66 | 62.27 | 481.23 | 2.62 | 6.70 | 1.76 | 110.59 | 625.31 | 3.43 | 8.70 | 1.51 | 101.23 | 546.35 | 4.20 |
| 0.72 | 0.96 | 63.71 | 5.05 | 1.13 | 2.72 | 1.72 | 93.40 | 132.03 | 1.81 | 4.72 | 1.66 | 67.71 | 483.67 | 2.63 | 6.72 | 1.71 | 110.15 | 626.94 | 3.44 | 8.72 | 1.51 | 100.67 | 545.54 | 4.21 |
| 0.74 | 1.04 | 61.49 | 9.93 | 1.12 | 2.74 | 1.67 | 91.96 | 131.21 | 1.81 | 4.74 | 1.66 | 74.60 | 481.23 | 2.64 | 6.74 | 1.62 | 112.37 | 631.83 | 3.45 | 8.74 | 1.53 | 98.56 | 545.54 | 4.22 |
| 0.76 | 1.06 | 57.61 | 13.19 | 1.14 | 2.76 | 1.65 | 90.18 | 131.21 | 1.81 | 4.76 | 1.63 | 80.71 | 480.42 | 2.64 | 6.76 | 1.58 | 113.48 | 631.01 | 3.46 | 8.76 | 1.53 | 96.90 | 544.73 | 4.22 |
| 0.78 | 1.11 | 54.29 | 16.44 | 1.14 | 2.78 | 1.60 | 90.07 | 131.21 | 1.83 | 4.78 | 1.59 | 86.04 | 480.42 | 2.65 | 6.78 | 1.54 | 113.59 | 629.38 | 3.46 | 8.78 | 1.53 | 96.45 | 543.10 | 4.23 |
| 0.80 | 1.15 | 53.52 | 14.00 | 1.14 | 2.80 | 1.57 | 89.18 | 131.21 | 1.84 | 4.80 | 1.55 | 88.59 | 483.67 | 2.66 | 6.80 | 1.49 | 113.81 | 628.57 | 3.48 | 8.80 | 1.53 | 96.68 | 542.29 | 4.24 |
| 0.82 | 1.23 | 50.64 | 14.00 | 1.15 | 2.82 | 1.57 | 88.29 | 131.21 | 1.85 | 4.82 | 1.48 | 88.15 | 481.23 | 2.67 | 6.82 | 1.49 | 111.25 | 629.38 | 3.49 | 8.82 | 1.53 | 96.34 | 543.10 | 4.24 |
| 0.84 | 1.49 | 40.78 | 32.72 | 1.13 | 2.84 | 1.57 | 86.96 | 131.21 | 1.85 | 4.84 | 1.40 | 87.92 | 477.98 | 2.67 | 6.84 | 1.50 | 108.92 | 631.01 | 3.50 | 8.84 | 1.59 | 93.57 | 543.91 | 4.25 |
| 0.86 | 1.70 | 41.00 | 42.49 | 1.14 | 2.86 | 1. | | | | | | | | | | | | | | | | | | |

FERRARA DEPARTMENT

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www.socotec.it**COMMITTENTE: ENGELO S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma****CANTIERE: Via Traversante della Chiesa - Contrada della Chiesa - Busseto (PR)**

PROVA N°: CPTU 10 PROF. FALDA (m da p.c.): 4.70

PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

DATA: 04/03/22

PREFORO (m da p.c.):

LAT. (WGS 84): 44.953284°

LONG. (WGS 84): 10.014550°

COMMESSA: 23711FE/22

C. SITO N°: SF220212 del 08/03/22 OPERATORE: L. Formisano

| prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi | prof. m | qc Mpa | fs kPa | U kPa | incl. gradi |
|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|--------|-------------|---------|--------|--------|-------|-------------|---------|--------|--------|--------|-------------|
| 10.02 | 1.61 | 107.40 | 447.86 | 4.74 | 12.02 | 1.22 | 39.16 | 391.69 | 5.63 | 14.02 | 8.55 | 62.95 | 83.19 | 6.60 | 16.02 | 9.95 | 63.10 | 84.00 | 7.51 | 18.02 | 12.82 | 81.11 | 47.37 | 8.35 |
| 10.04 | 1.61 | 105.62 | 446.23 | 4.75 | 12.04 | 1.20 | 40.05 | 391.69 | 5.64 | 14.04 | 9.04 | 70.72 | 62.84 | 6.62 | 16.04 | 10.06 | 60.54 | 84.00 | 7.51 | 18.04 | 12.62 | 89.55 | 46.56 | 8.37 |
| 10.06 | 1.61 | 103.95 | 447.05 | 4.75 | 12.06 | 1.20 | 40.27 | 393.32 | 5.66 | 14.06 | 9.35 | 80.72 | 60.39 | 6.62 | 16.06 | 10.30 | 57.10 | 85.63 | 7.53 | 18.06 | 12.54 | 95.33 | 45.75 | 8.38 |
| 10.08 | 1.55 | 102.73 | 446.23 | 4.77 | 12.08 | 1.20 | 40.27 | 397.39 | 5.66 | 14.08 | 9.52 | 83.83 | 65.28 | 6.63 | 16.08 | 10.57 | 56.43 | 86.45 | 7.53 | 18.08 | 12.71 | 95.66 | 49.00 | 8.40 |
| 10.10 | 1.56 | 102.29 | 446.23 | 4.77 | 12.10 | 1.18 | 39.60 | 404.72 | 5.68 | 14.10 | 9.88 | 75.16 | 77.49 | 6.63 | 16.10 | 10.78 | 55.99 | 86.45 | 7.53 | 18.10 | 12.92 | 94.21 | 51.44 | 8.40 |
| 10.12 | 1.55 | 101.06 | 445.42 | 4.78 | 12.12 | 1.15 | 38.27 | 412.05 | 5.68 | 14.12 | 10.26 | 64.71 | 91.33 | 6.64 | 16.12 | 10.81 | 55.21 | 84.81 | 7.54 | 18.12 | 13.25 | 93.43 | 55.51 | 8.41 |
| 10.14 | 1.56 | 101.06 | 445.42 | 4.78 | 12.14 | 1.14 | 37.93 | 421.00 | 5.69 | 14.14 | 10.18 | 53.71 | 97.84 | 6.65 | 16.14 | 10.56 | 55.10 | 77.49 | 7.55 | 18.14 | 13.53 | 93.21 | 58.77 | 8.42 |
| 10.16 | 1.53 | 102.28 | 444.61 | 4.79 | 12.16 | 1.15 | 37.60 | 442.16 | 5.70 | 14.16 | 9.86 | 47.15 | 101.09 | 6.66 | 16.16 | 10.13 | 52.66 | 70.17 | 7.55 | 18.16 | 13.66 | 92.98 | 62.03 | 8.42 |
| 10.18 | 1.53 | 101.95 | 444.61 | 4.81 | 12.18 | 1.15 | 38.38 | 455.19 | 5.70 | 14.18 | 9.48 | 38.48 | 88.07 | 6.67 | 16.18 | 9.31 | 54.11 | 59.58 | 7.56 | 18.18 | 13.69 | 93.87 | 65.28 | 8.43 |
| 10.20 | 1.55 | 100.95 | 444.61 | 4.81 | 12.20 | 1.15 | 40.38 | 476.35 | 5.72 | 14.20 | 9.13 | 31.81 | 77.49 | 6.68 | 16.20 | 9.07 | 52.89 | 54.69 | 7.58 | 18.20 | 13.69 | 94.64 | 67.72 | 8.43 |
| 10.22 | 1.55 | 100.72 | 445.42 | 4.81 | 12.22 | 1.20 | 40.27 | 495.89 | 5.73 | 14.22 | 9.04 | 32.25 | 75.05 | 6.68 | 16.22 | 9.09 | 51.01 | 52.25 | 7.58 | 18.22 | 13.88 | 96.08 | 71.79 | 8.44 |
| 10.24 | 1.61 | 103.28 | 449.49 | 4.83 | 12.24 | 1.20 | 40.16 | 515.42 | 5.75 | 14.24 | 9.08 | 31.80 | 79.12 | 6.69 | 16.24 | 9.11 | 49.13 | 49.81 | 7.59 | 18.24 | 14.27 | 97.30 | 77.49 | 8.44 |
| 10.26 | 1.61 | 105.72 | 455.19 | 4.83 | 12.26 | 1.22 | 40.38 | 527.63 | 5.75 | 14.26 | 8.98 | 30.57 | 81.56 | 6.71 | 16.26 | 9.31 | 47.35 | 47.37 | 7.59 | 18.26 | 15.02 | 97.85 | 86.45 | 8.45 |
| 10.28 | 1.67 | 105.17 | 458.44 | 4.85 | 12.28 | 1.22 | 41.49 | 538.21 | 5.75 | 14.28 | 8.98 | 32.35 | 70.98 | 6.72 | 16.28 | 9.40 | 44.47 | 45.75 | 7.60 | 18.28 | 15.72 | 100.85 | 95.40 | 8.45 |
| 10.30 | 1.70 | 104.94 | 466.58 | 4.85 | 12.30 | 1.23 | 40.82 | 538.21 | 5.77 | 14.30 | 8.74 | 32.24 | 74.23 | 6.73 | 16.30 | 9.46 | 40.80 | 43.30 | 7.60 | 18.30 | 16.35 | 102.62 | 105.98 | 8.46 |
| 10.32 | 1.69 | 104.16 | 468.21 | 4.86 | 12.32 | 1.23 | 41.82 | 540.65 | 5.77 | 14.32 | 7.04 | 32.34 | 63.65 | 6.75 | 16.32 | 9.37 | 37.47 | 40.86 | 7.61 | 18.32 | 17.01 | 104.95 | 115.75 | 8.47 |
| 10.34 | 1.72 | 100.83 | 472.28 | 4.87 | 12.34 | 1.23 | 41.05 | 541.47 | 5.78 | 14.34 | 5.38 | 31.45 | 53.89 | 6.77 | 16.34 | 8.77 | 36.81 | 35.16 | 7.63 | 18.34 | 17.57 | 106.51 | 127.15 | 8.48 |
| 10.36 | 1.72 | 97.05 | 470.65 | 4.87 | 12.36 | 1.22 | 40.82 | 539.03 | 5.80 | 14.36 | 4.88 | 39.00 | 57.95 | 6.79 | 16.36 | 7.96 | 34.48 | 29.47 | 7.63 | 18.36 | 17.85 | 110.06 | 136.10 | 8.49 |
| 10.38 | 1.72 | 94.71 | 469.03 | 4.88 | 12.38 | 1.15 | 40.93 | 535.77 | 5.81 | 14.38 | 4.80 | 42.44 | 64.47 | 6.78 | 16.38 | 7.15 | 33.04 | 25.39 | 7.64 | 18.38 | 17.87 | 114.50 | 143.43 | 8.50 |
| 10.40 | 1.60 | 95.83 | 464.14 | 4.89 | 12.40 | 1.10 | 40.38 | 531.70 | 5.81 | 14.40 | 5.82 | 35.21 | 85.63 | 6.79 | 16.40 | 6.58 | 32.60 | 22.95 | 7.64 | 18.40 | 17.69 | 119.39 | 149.93 | 8.50 |
| 10.42 | 1.49 | 96.71 | 457.63 | 4.90 | 12.42 | 1.02 | 40.60 | 527.63 | 5.82 | 14.42 | 6.74 | 46.66 | 100.28 | 6.80 | 16.42 | 6.17 | 33.38 | 20.51 | 7.66 | 18.42 | 17.28 | 124.16 | 152.38 | 8.51 |
| 10.44 | 1.38 | 95.83 | 455.19 | 4.91 | 12.44 | 0.98 | 40.60 | 524.37 | 5.83 | 14.44 | 7.45 | 49.21 | 117.37 | 6.81 | 16.44 | 6.17 | 33.72 | 19.69 | 7.67 | 18.44 | 16.64 | 129.49 | 151.57 | 8.52 |
| 10.46 | 1.35 | 93.71 | 451.93 | 4.91 | 12.46 | 0.95 | 39.71 | 522.75 | 5.84 | 14.46 | 8.27 | 46.43 | 125.51 | 6.82 | 16.46 | 6.11 | 33.16 | 18.07 | 7.68 | 18.46 | 15.83 | 133.48 | 150.75 | 8.52 |
| 10.48 | 1.32 | 91.71 | 447.05 | 4.92 | 12.48 | 0.93 | 38.71 | 520.31 | 5.85 | 14.48 | 9.52 | 44.53 | 110.05 | 6.81 | 16.48 | 6.11 | 31.83 | 17.25 | 7.69 | 18.48 | 14.83 | 136.26 | 147.49 | 8.53 |
| 10.50 | 1.18 | 92.04 | 447.05 | 4.92 | 12.50 | 0.90 | 38.82 | 518.68 | 5.86 | 14.50 | 11.02 | 46.20 | 78.31 | 6.83 | 16.50 | 6.03 | 30.39 | 16.44 | 7.70 | 18.50 | 13.88 | 137.47 | 142.61 | 8.53 |
| 10.52 | 1.08 | 89.16 | 442.97 | 4.93 | 12.52 | 0.90 | 37.93 | 517.87 | 5.88 | 14.52 | 12.43 | 48.53 | 58.77 | 6.85 | 16.52 | 6.00 | 29.62 | 15.63 | 7.70 | 18.52 | 13.05 | 137.02 | 138.54 | 8.54 |
| 10.54 | 1.03 | 84.16 | 439.72 | 4.94 | 12.54 | 0.88 | 37.27 | 516.23 | 5.88 | 14.54 | 13.22 | 50.08 | 57.95 | 6.85 | 16.54 | 5.95 | 27.84 | 14.00 | 7.71 | 18.54 | 12.43 | 134.02 | 136.91 | 8.55 |
| 10.56 | 1.06 | 77.71 | 438.91 | 4.95 | 12.56 | 0.88 | 36.27 | 515.42 | 5.89 | 14.56 | 13.65 | 49.41 | 73.42 | 6.86 | 16.56 | 5.93 | 26.95 | 13.19 | 7.73 | 18.56 | 12.11 | 129.45 | 138.54 | 8.55 |
| 10.58 | 1.03 | 73.38 | 436.47 | 4.96 | 12.58 | 0.88 | 35.15 | 513.79 | 5.90 | 14.58 | 13.79 | 45.63 | 84.81 | 6.88 | 16.58 | 6.06 | 26.62 | 13.19 | 7.73 | 18.58 | 12.18 | 122.23 | 145.05 | 8.56 |
| 10.60 | 1.08 | 70.71 | 433.21 | 4.96 | 12.60 | 0.87 | 35.15 | 512.98 | 5.91 | 14.60 | 14.14 | 42.74 | 99.47 | 6.88 | 16.60 | 6.38 | 27.73 | 14.00 | 7.74 | 18.60 | 12.53 | 116.44 | 154.01 | 8.56 |
| 10.62 | 1.03 | 68.94 | 430.77 | 4.97 | 12.62 | 0.88 | 34.04 | 512.98 | 5.92 | 14.62 | 14.25 | 36.51 | 111.68 | 6.88 | 16.62 | 6.83 | 27.96 | 15.63 | 7.75 | 18.62 | 12.67 | 111.55 | 158.07 | 8.57 |
| 10.64 | 1.00 | 65.83 | 426.69 | 4.98 | 12.64 | 0.93 | 33.82 | 512.98 | 5.93 | 14.64 | 14.15 | 35.07 | 120.63 | 6.88 | 16.64 | 7.33 | 28.74 | 18.07 | 7.76 | 18.64 | 12.62 | 107.65 | 160.52 | 8.57 |
| 10.66 | 0.97 | 62.60 | 420.19 | 4.98 | 12.66 | 0.95 | 34.04 | 513.79 | 5.94 | 14.66 | 14.10 | 36.39 | 133.65 | 6.90 | 16.66 | 7.92 | 30.96 | 20.51 | 7.77 | 18.66 | 12.71 | 103.65 | 164.59 | 8.58 |
| 10.68 | 0.97 | 61.39 | 417.74 | 5.00 | 12.68 | 0.93 | 34.49 | 511.35 | 5.95 | 14.68 | 13.75 | 42.39 | 140.98 | 6.90 | 16.68 | 8.72 | 30.96 | 23.77 | 7.78 | 18.68 | 13.14 | 100.64 | 172.73 | 8.59 |
| 10.70 | 0.91 | 61.39 | 412.86 | 5.00 | 12.70 | 0.90 | 34.71 | 509.73 | 5.96 | 14.70 | 12.85 | 46.72 | 138.54 | 6.91 | 16.70 | 9.58 | 33.19 | 28.65 | 7.80 | 18.70 | 13.63 | 98.87 | 181.68 | 8.59 |
| 10.72 | 0.91 | 61.39 | 412.05 | 5.01 | 12.72 | 0.88 | 33.49 | 508.09 | 5.97 | 14.72 | 11.53 | 47.39 | 131.21 | 6.92 | 16.72 | 10.56 | 36.86 | 33.53 | 7.81 | 18.72 | 13.97 | 98.86 | 187.38 | 8.59 |
| 10.74 | 0.91 | 58.94 | 410.41 | 5.02 | 12.74 | 0.88 | 31.60 | 506.47 | 5.98 | 14.74 | 11.00 | 46.72 | 140.17 | 6.95 | 16.74 | 11.58 | 39.97 | 38.42 | 7.83 | 18.74 | 14.33 | 101.86 | 195.52 | 8.60 |
| 10.76 | 0.91 | 55.83 | 407.97 | 5.03 | 12.76 | 0.88 | 31.49 | 505.65 | 6.00 | 14.76 | 11.37 | 42.94 | 170.29 | 6.94 | 16.76 | 12.26 | 40.08 | 41.67 | 7.83 | 18.76 | 14.90 | 103.97 | 202.85 | 8.61 |
| 10.78 | 0.89 | 54.84 | 407.16 | 5.04 | 12.78 | 0.85 | 32.71 | 503.21 | 6.00 | 14.78 | 11.27 | 44.49 | 177.61 | 6.94 | 16.78 | 12.74 | 39.42 | 44.11 | 7.84 | 18.78 | 15.76 | 107.31 | 214.24 | 8.62 |
| 10.80 | 0.91 | 52.28 | 405.53 | 5.04 | 12.80 | 0.87 | 33.38 | 504.84 | 6.01 | 14.80 | 10.49 | 50.60 | 171.91 | 6.96 | 16.80 | 13.10 | 38.54 | 46.56 | 7.85 | 18.80 | 16.82 | 106.86 | 210.99 | 8.62 |
| 10.82 | 0.90 | 51.73 | 402.27 | 5.05 | 12.82 | 0.88 | 32.82 | 504.03 | 6.02 | 14.82 | 9.62 | 59.93 | 159.71 | 6.96 | 16.82 | 13.48 | 35.09 | 49.00 | 7.85 | 18.82 | 17.74 | 111.75 | 184.13 | 8.64 |
| 10.84 | 0.85 | 50.29 | 399.83 | 5.06 | 12.84 | 0.88 | 32.16 | 503.21 | 6.03 | 14.84 | 9.24 | 65.93 | 164.59 | 6.97 | 16.84 | 13.71 | 36.32 | 51.44 | 7.87 | | | | | |

FERRARA DEPARTMENT

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SOCOTEC ITALIA Srl – P.Iva 01872430648

Headquarters: Via Bariola, 101-103 - 20020 Lainate (MI)

Tel.: +39 02 9375 0000 - Fax: +39 02 9375 0099

www.socotec.it**COMMITTENTE:** ENGEO S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma**CANTIERE:** Via Traversante della Chiesa - Contrada della Chiesa - Busseto (PR)

PROVA N°: CPTU 10 PROF. FALDA (m da p.c.): 4.70

PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

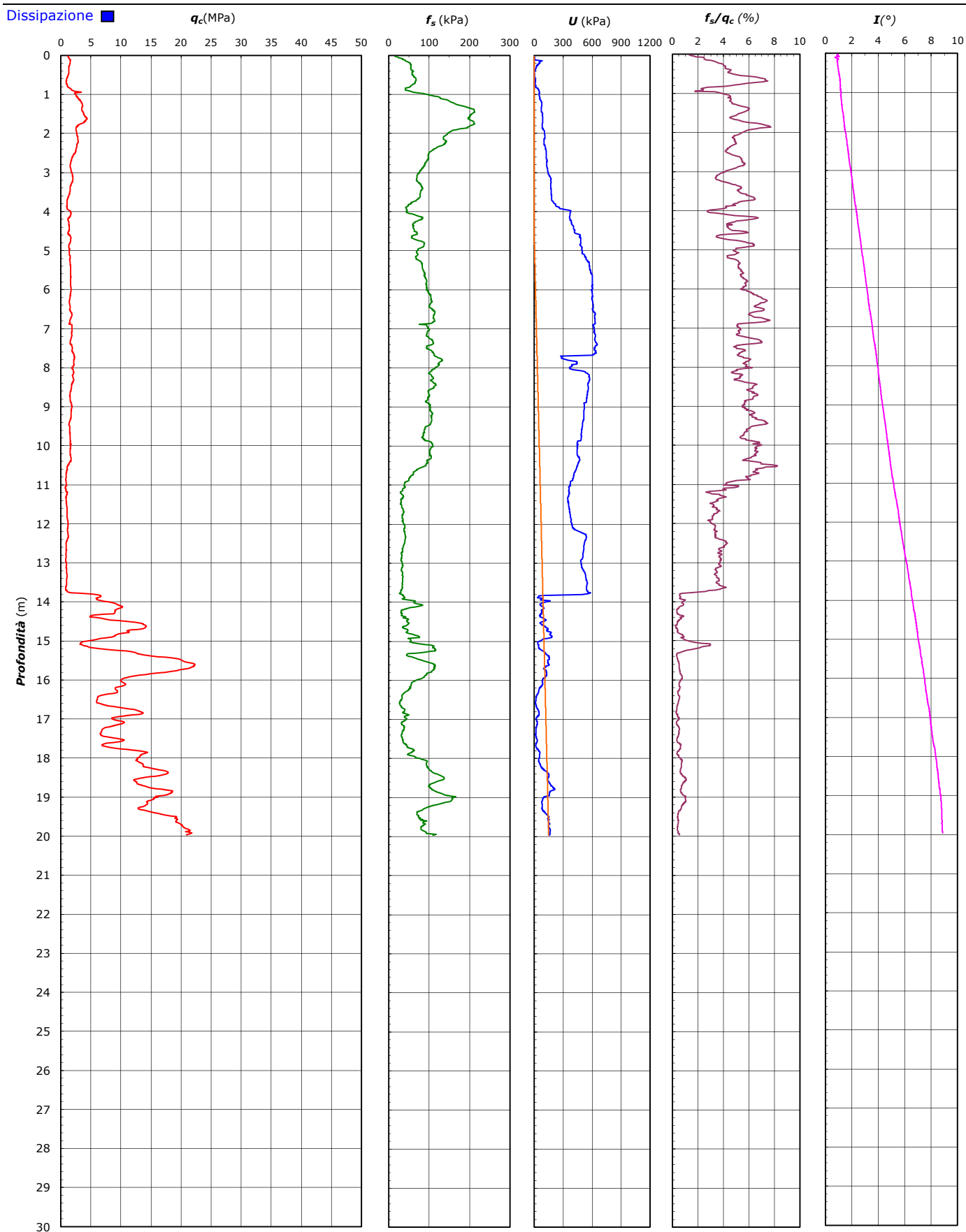
DATA: 04/03/22 PREFORO (m da p.c.):

LAT. (WGS 84): 44.953284°

LONG. (WGS 84): 10.014550°

COMMESSA: 23711FE/22

C. SITO N°: SF220212 del 08/03/22 OPERATORE: L. Formisano

Il Responsabile Prove in Sito:
dott. Massimo Romagnoli

FERRARA DEPARTMENT

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COMMITTENTE: **ENGEO S.r.l. - Via Suor Maria Adorni, 2 - 43121 Parma**

CANTIERE: **Via Traversante della Chiesa - Contrada della Chiesa - Busseto (PR)**

PROVA N°: CPTU 10 PROF. FALDA (m da p.c.): 4.70 PUNTA: Tecnopenta G1-CPL2IN (matr. 200317)[a = 0.66]

DATA: 04/03/22 PREFORO (m da p.c.): LAT. (WGS 84): 44.953284° LONG. (WGS 84): 10.014550°

COMMESSA: 23711FE/22 C. SITO N°: SF220212 del 08/03/22 OPERATORE: L. Formisano

UBICAZIONE

Località: Via Traversante della Chiesa - Contrada della Chiesa - Busseto (PR)



NOTE: Utilizzato 1 anello allargatore da inizio prova