

CALCULATING TABLE

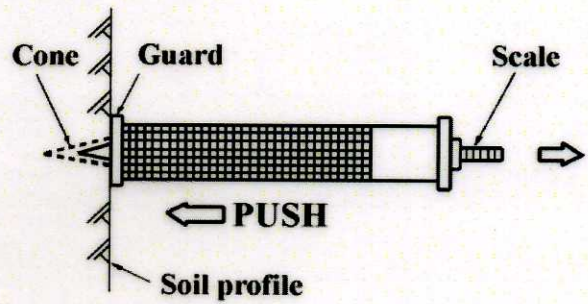
Scale's Length (mm)	Power Strength (kPa)	Scale's Length (mm)	Power Strength (kPa)	Scale's Length (mm)	Power Strength (kPa)	Scale's Length (mm)	Power Strength (kPa)
0.5	3.92	10.5	149.07	20.5	664.91	30.5	4,168
1.0	7.85	11.0	160.83	21.0	717.87	31.0	4,720
1.5	12.75	11.5	174.56	21.5	774.75	31.5	5,377
2.0	16.67	12.0	188.29	22.0	837.52	32.0	6,167
2.5	21.58	12.5	203.99	22.5	906.17	32.5	7,126
3.0	27.46	13.0	219.68	23.0	981.68	33.0	8,306
3.5	32.36	13.5	237.33	23.5	1,064.06	33.5	9,779
4.0	38.25	14.0	254.98	24.0	1,156.25	34.0	11,648
4.5	44.13	14.5	274.60	24.5	1,257.26	34.5	14,065
5.0	50.02	15.0	296.17	25.0	1,370.04	35.0	17,266
5.5	56.88	15.5	318.73	25.5	1,495.57	35.5	21,621
6.0	63.75	16.0	342.26	26.0	1,635.81	36.0	27,749
6.5	71.59	16.5	368.74	26.5	1,793.70	36.5	36,747
7.0	79.44	17.0	396.20	27.0	1,970.23	37.0	50,701
7.5	87.28	17.5	426.60	27.5	2,170.29	37.5	73,997
8.0	96.11	18.0	458.97	28.0	2,397.81	38.0	117,161
8.5	105.92	18.5	493.29	28.5	2,657.70	38.5	211,027
9.0	115.72	19.0	531.54	29.0	2,955.83	39.0	480,977
9.5	125.53	19.5	572.73	29.5	3,300.06	39.5	1,948,572
10.0	137.30	20.0	616.86	30.0	3,700.18	40.0	-

PUSH-CONE (SOIL HARDNESS METER)

DIK-5553

【OPERATION】

1. Make the soil profile smooth.
2. Push the cone into the soil profile horizontally.
3. When the guard contacts the soil profile, take out the cone from the soil, and read the scale.
4. Make the cone and the guard clean with wiper and press the scale into the cylinder for the next measurement.
5. For one layer, repeat the above procedure three or four times and calculate the average.



Measuring range : 0~49MPa

Cone's angle : 25°20'

Power strength of the spring : 8 kg / 40 mm

Dimensions : L220 mm × φ 40 mm

Weight : 250 g (370g with a case)

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