

DIK-5553 プッシュコーン(土壌硬度計) Push-Cone (Soil Hardness Meter)



作物根の伸張に対する土壌の抵抗性や、農業機械の作業性等を判定するためには土壌の硬度を知らせることが大切です。

プッシュコーンは平らに削った土壌面に垂直にコーンを押し込むだけで抵抗値が簡単に測定できます。測定原理は山中式土壌硬度計と同じです。

In order to predict a soil resistance to grow plants or for agricultural machines, it is important to determine the hardness of the soil. The Push-Cone can measure a resistance value of soil easily by pushing the cone vertically into the soil profile scraped evenly. Principle of measurement is the same as the soil hardness meter, Yamanaka type.



- ◎ 握りやすく、滑りません
- ◎ 測定器にスリットがないので土が入る心配がありません
- ◎ 小型軽量で携帯便利です
- ◎ 抵抗値は見えやすい直読式です
- ◎ The grip is easy to hold and is not slippery.
- ◎ Do not worry about the soil to come in the unit, because there is no slit as another type.
- ◎ It is convenient to carry because it is small and light.
- ◎ It is easy to read the resistance value of the soil.

◆◆仕様



測定範囲	0～40mm(0～49MPa)
コーン角度	25° 20′
バネ強度	78.4N/40mm
外形寸法	L225mm×φ40mm
総重量	約370g(本体のみ250g)

◆◆Specifications

Measuring range	0～40mm(0～49MPa)
Cone angle	25° 20′
Strength of spring	78.4N/40mm
Outside dimensions	L225mm×φ40mm
Weight	250g
Total weight	Approx.370g

畑の硬さ(X)	粘りと乾湿
～10mm	干ばつが心配
10～15mm	ちょうどよい
15～22mm	やや硬いが根は伸びる
22～24mm	根は少し入るが伸びが悪い
24mm～	根伸が入らない湿害が心配

Hardness of field(X)	Soil condition
～10mm	Fear of drought
10～15mm	Best condition
15～22mm	A little hard, but roots grow
22～24mm	Roots grow a little
24mm～	Roots don't grow. Fear of wet damage.

ダイキ 大起理化工業株式会社

〒365-0001 埼玉県鴻巣市赤城台212-8 Tel 048-568-2500(代) Fax 048-568-2505
西日本営業所
〒520-0801 滋賀県大津市におの浜2-1-2 Tel 077-510-8550(代) Fax 077-510-8555
Head Office Daiki Rika Kogyo Co., Ltd.
212-8 Akagidai, Kounosu-shi, Saitama, 365-0001 Japan.
Tel:+81-48-568-2500 Fax:+81-48-568-2505
Branch Office Daiki Rika Kogyo Co., Ltd.
Rn.409, 1-21 Nionohama 2-chome, Otsu, Shiga, 520-0801, Japan.
Tel:+81-77-510-8550 Fax:+81-77-510-8555

Internet : <http://www.daiki.co.jp/> E-mail : mbox@daiki.co.jp

取扱店

●仕様・外観は改良のため、予告なく変更することがあります。●カタログと、実際の商品の色とは、印刷の関係で多少異なる場合がございます。
●カタログ記載内容／2010年 3月 1日

The contents of this catalog are subject to change without prior notice.

10.03.5553



ES France - Département Bio-tests & Industries
127 rue de Buzenval BP 26 - 92380 Garches



Tél. 01 47 95 99 90
Fax. 01 47 01 16 22



e-mail : bio@es-france.com
Site Web : www.es-france.com

CALCULATING TABLE

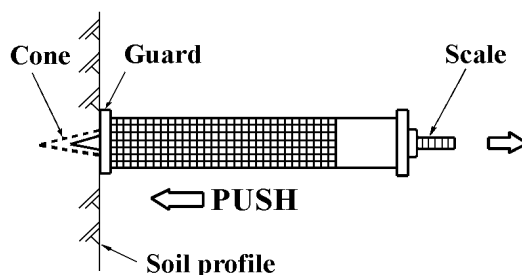
Scale's Length (mm)	Power Strength (kPa)	Scale's Length (mm)	Power Strength (kPa)	Scale's Length (mm)	Power Strength (kPa)	Scale's Length (mm)	Power Strength (kPa)
0.5	3.95	10.5	148.80	20.5	664.86	30.5	4,167.70
1.0	8.11	11.0	161.30	21.0	717.39	31.0	4,719.77
1.5	12.48	11.5	174.60	21.5	774.71	31.5	5,376.71
2.0	17.08	12.0	188.76	22.0	837.38	32.0	6,166.15
2.5	21.92	12.5	203.84	22.5	906.05	32.5	7,125.33
3.0	27.02	13.0	219.92	23.0	981.46	33.0	8,305.43
3.5	32.40	13.5	237.08	23.5	1,064.50	33.5	9,778.28
4.0	38.06	14.0	255.40	24.0	1,156.15	34.0	11,647.18
4.5	44.04	14.5	275.00	24.5	1,257.61	34.5	14,064.94
5.0	50.34	15.0	295.98	25.0	1,370.26	35.0	17,265.23
5.5	56.99	15.5	318.45	25.5	1,495.71	35.5	21,619.60
6.0	64.01	16.0	342.56	26.0	1,635.92	36.0	27,747.69
6.5	71.43	16.5	368.46	26.5	1,793.17	36.5	36,745.24
7.0	79.27	17.0	396.31	27.0	1,970.25	37.0	50,699.48
7.5	87.57	17.5	426.30	27.5	2,170.49	37.5	73,993.84
8.0	96.35	18.0	458.64	28.0	2,397.95	38.0	117,156.91
8.5	105.64	18.5	493.56	28.5	2,657.62	38.5	211,019.46
9.0	115.50	19.0	531.32	29.0	2,955.68	39.0	480,959.95
9.5	125.94	19.5	572.23	29.5	3,299.80	39.5	1,948,504.40
10.0	137.03	20.0	616.62	30.0	3,699.69	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~∞

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)

Daiki Rika Kogyo Co., Ltd.

212-8 Akagidai,

Kounosu-shi, Saitama 365-0001 Japan

TEL.048-568-2500 FAX.048-568-2505



ES France - Département Bio-tests & Industries
127 rue de Buzenval BP 26 - 92380 Garches



Tél. 01 47 95 99 90
Fax. 01 47 01 16 22



e-mail : bio@es-france.com
Site Web : www.es-france.com