

GENERAL FEATURES

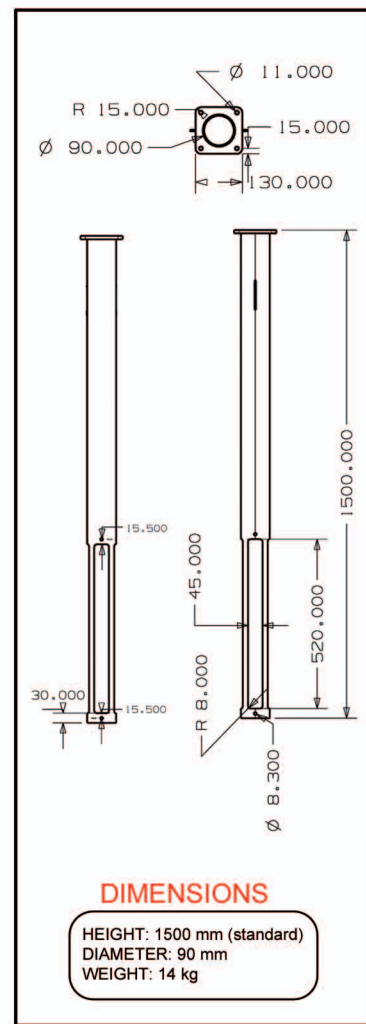
EXPANSION FIX is a concrete-less ground fixing system for metal structures, with high performances as far as mechanical resistance, duration and eco-friendliness are concerned.

There is no environment impact, because it is easy to uninstall

The use is very easy: you just need to make a pre-perforation, set the pole, and open the expansion system through a mechanical device.

EXPANSION FIX meets the requirements of DIN 1055 for PV installation, snow and wind.

The galvanizing process is hot-dip, according to DIN 2440/1615 and DIN 10240. the expansion system is made in: PA6+30% (polyamide strengthened with 30% of fibreglass).

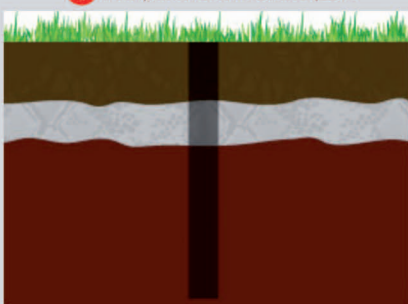


DIMENSIONS

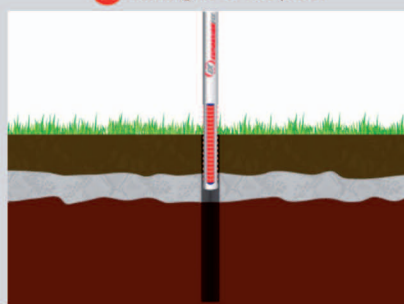
HEIGHT: 1500 mm (standard)
DIAMETER: 90 mm
WEIGHT: 14 kg

INSTALLMENT PROCEDURE

1 Pre-perforation for the pole.



2 Sliding in of the pole.



3 Opening of the mechanism. *



* to fully open the mechanism, you do not have to rotate more than 65 times, nor apply more than 450 NW of force

It can be used in any kind of ground (hard, soft, standard) with great resistance to traction, compression, and lateral forces. Quick installation, without any need of special equipments. Long duration: once inserted in the pre-perforation, there is no impairment. Recyclable and easy to uninstall.

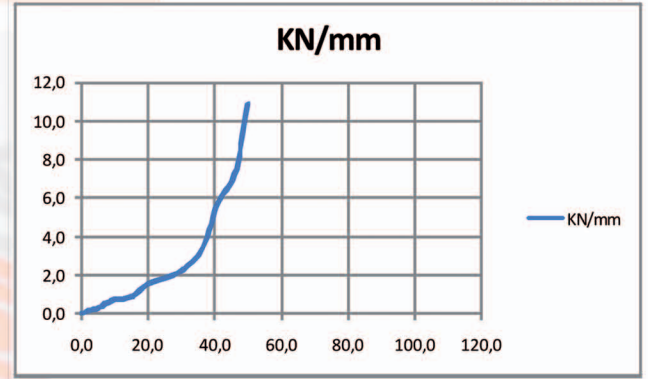
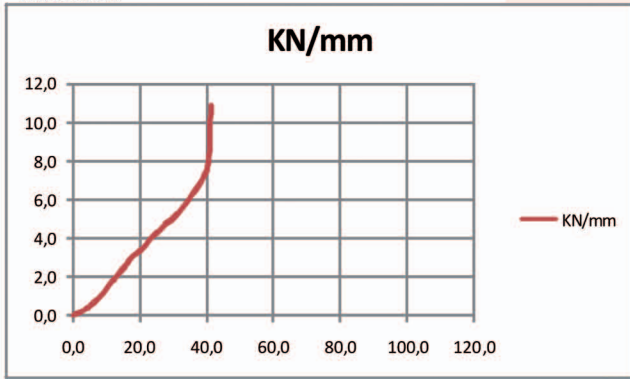
RESISTANCE

	Soft ground	Standard ground	Hard ground
	0,1-1 kg/cm ²	1-2,5 kg/cm ²	2,5-3 kg/cm ²
Compression	40/50 KN	40/70 KN	80/150 KN
Traction	30/40 KN	50/80 KN	70/100 KN
Lateral strength	10/15 KN	15/30 KN	30/45 KN

TRACTION

SOFT GROUND (0,1-1 kg/cm²)

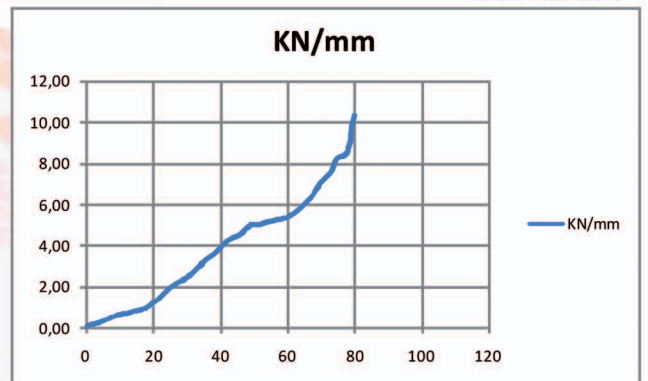
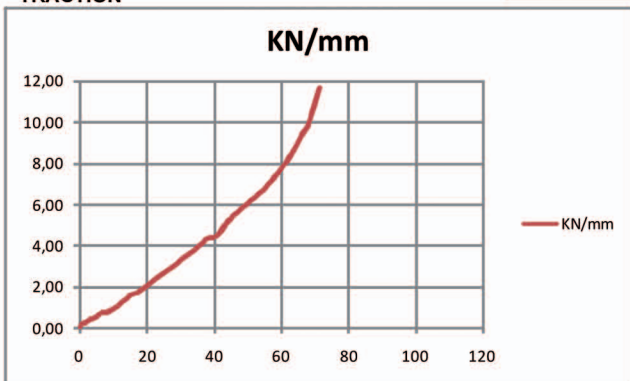
COMPRESSION



TRACTION

STANDARD GROUND (1-2,5 kg/cm²)

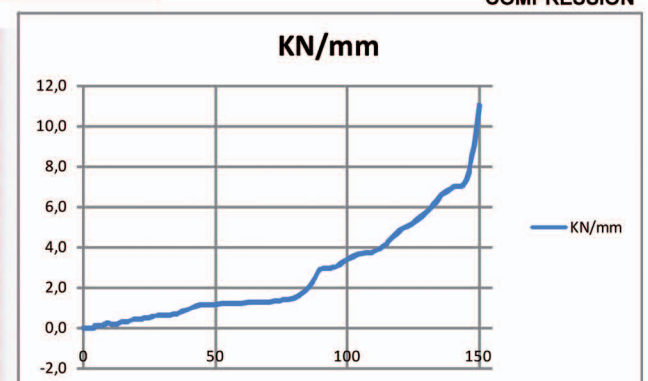
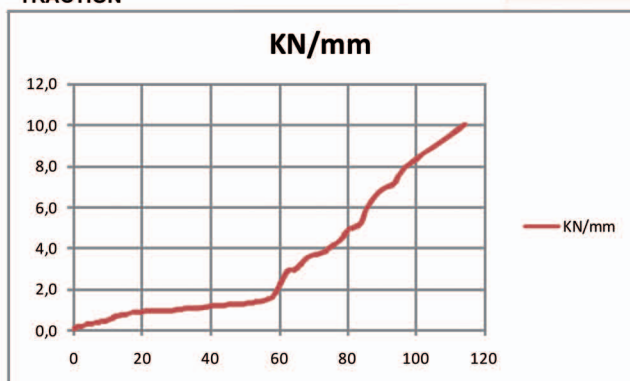
COMPRESSION



TRACTION

HARD GROUND (2,5-3 kg/cm²)

COMPRESSION



certified:

