
Rod Settlement System GEO-XR

Geosense® GEO-XR single point rod settlement system is used to monitor sub-surface settlement or heave of ground



Rod Settlement System GEO-XR



Overview



APPLICATIONS

Embankments

Pre-loads

Deep excavations

FEATURES

Simple to install & use

Low cost

Geosense® GEO-XR single point rod settlement system is used to monitor sub-surface settlement or heave of ground.

The system comprises a series of inner steel rods and plastic outer sleeves together with plates when positioned on ground before fill or Borros type anchors when used in boreholes.

The inner steel rod is made from heavy duty 1 metre lengths of 25mm outside diameter with a 3/4" BSPM thread with external socket.

The outer plastic sleeves in 1 metre lengths can be 60mm (2") or 165 mm (6") diameter with flush threads so that the inner and outer rod can be extended together.

A circular or square thick steel plate with a 3/4" BSPF socket welded onto it allows the datum plate to be placed and the first inner rod connected. Outer sleeves are placed over the steel rods as filling occurs.

Rod Settlement System GEO-XR

Specifications

RODS/SLEEVES

Steel rod OD	25, 33mm
Steel rod ID	19, 25mm
Steel rod connection	3/4", 1" BSPF/M
Steel rod length	1 metre
PVC sleeve OD	60, 165mm
PVC sleeve ID	52, 150mm
PVC sleeve connection	Flush thread
PVC sleeve length	1 metre

BASE PLATES

Material*	Mild steel
Standard Dimensions**	300 x 300mm square
Standard Plate thickness**	10mm
Weight	7.1kg

* Other materials available on request

** Other sizes, shapes and thicknesses available on request



Geosense Ltd, Nova House, Rougham Industrial Estate, Rougham, Bury St Edmunds, Suffolk IP30 9ND, England

www.geosense.co.uk e sales@geosense.co.uk t +44(0)1359 270457

Specifications are subject to change without notice and should not be construed as a commitment by Geosense. Geosense assumes no responsibility for any errors that may appear in this document. In no event shall Geosense be liable for incidental or consequential damages arising from the use of this document or the systems described in this document. All Content published or distributed by Geosense is made available for the purposes of general information. You are not permitted to publish our content or make any commercial use of our content without our express written consent. This material or any portion of this material may not be reproduced, duplicated, copied, sold, resold, edited, or modified without our express written consent.

V1.4 06/2023