

Access Ring



Overview: The access rings allows up to 12 transducers / port connections to be added to any of the standard triaxial cell. The access ring sits in between the cell top and the cell base. Extension screws in the triaxial cell, allow the base of the cell to be secured to the top of the access ring.

To ensure a water tight seal, the transducers (or port connections) pass through the access ring ports with an O-ring and gland.

Key Features:

12 Transducer Ports:

Transducer blanks:

Anodised Aluminium Construction:

Specific Transducer Feedthroughs:

Available in a Variety of Sizes:

Benefits to the User:

Allows the user to enable up to 12 connections to be passed through the access ring into the cell.

Allows the ports to be blocked off.

Hard anodised aluminium ensures the access ring does not rust during use.

Allows any transducer cables to be passed through the access ring and sealed with the use of a gland and O-ring to provide a water tight interface.

Access rings are available for all standard GDS triaxial cells 76mm up to 300mm.



Fig 1. Shows the setup of local strain transducers (LVDT's mounted onto a specimen), as can be seen the cables for the LVDT's pass through the access ring, which allow the transducers to be situated inside the cell without the need for internal connections.

Fig 2. Shows the configuration of the access ring ports and glands.

Uses for Access Ring

- Hall Effects
- LVDT's
- Bender Elements
- Mid Plane Pore Pressure Transducer
- Unsaturated Testing
- Hydraulic Connections

Dimensions:

76mm Version:	Internal Diameter: 124mm	Height: 60mm
100mm Version:	Internal Diameter: 160mm	Height: 60.3mm
150mm Version:	Internal Diameter: 222.1mm	Height: 40mm
300mm Version:	Internal Diameter: 442mm	Height: 60mm

Why Buy GDS?

GDS have supplied equipment to over 86% of the world's top 50 Universities:

GDS have supplied equipment to over 86% of the world's top 50 Universities who specialise in Civil & Structural Engineering, according to the "QS World University Ranking 2020" report.

GDS also work with many commercial laboratories including BGC Canada, Fugro, GEO, Geolabs, Geoteko, Golder Associates, Inpijn Blokpoel, Klohn Crippen, MEG Consulting, Multiconsult, Statens Vegvesen, NGI, Ramboll, Russell Geotechnical Innovations Ltd, SA Geolabs, SGS, Wiertsema and Partners to name a few.

**TOP
50**

Would you recommend GDS equipment to your colleague, friend or associate?

100% of our customers answered "YES"

Results from our post-delivery survey asked customers for feedback on their delivery, installation (if applicable), supporting documentation, apparatus and overall satisfaction with GDS. The survey ran for two years.



Made in the UK:

All GDS products are designed, manufactured and assembled in the UK at our offices in Hook. All products are quality assured before they are dispatched.

GDS are an ISO9001:2015 accredited company. The scope of this certificate applies to the approved quality administration systems relating to the "Manufacture of Laboratory and Field Testing Equipment".

**40 YEARS OF
BRITISH
INNOVATION**



Extended Warranties:

All GDS apparatus are covered by a 12 month manufacturers warranty. In addition to the standard warranty, GDS offer comprehensive extended warranties for 12, 24 and 36 months, for peace of mind against any repairs in the future. The extended warranties can be purchased at any time during the first 12 months of ownership.



GDS Training & Installation:

All installations & training are carried out by qualified engineers. A GDS engineer is assigned to each order throughout the sales process. They will quality assure the apparatus prior to shipping, if installation has been purchased, install the apparatus on the customers site & provide the training.



Technical Support:

GDS understand the need for ongoing after sales support, so much so that they have their own dedicated customer support centre. Alongside their support centre GDS use a variety of additional support methods including remote PC support, product helpsheets, video tutorials, email and telephone support.

