

DIN EN ISO 17892-8:2018-07 (E)

Geotechnical investigation and testing - Laboratory testing of soil - Part 8: Unconsolidated undrained triaxial test (ISO 17892-8:2018)

Contents		Page
European foreword		3
Foreword		4
Introduction		5
1	Scope	6
2	Normative references	6
3	Terms and definitions	6
4	Symbols	7
5	Apparatus	8
6	Test procedure	11
6.1	General requirements and equipment preparation	11
6.2	Preparation of specimens	11
6.3	Application of cell pressure and initial readings	12
6.4	Shearing	13
6.5	Dismounting	13
7	Test results	14
7.1	Bulk density, dry density and water content	14
7.2	Stage prior to shearing	14
7.3	Shearing	14
	7.3.1 Corrected cross-sectional area	14
	7.3.2 Deviator stress	14
	7.3.3 Vertical strain	15
	7.3.4 Undrained shear strength	15
7.4	Correction for elastic membrane	15
8	Test report	15
8.1	Mandatory reporting	15
8.2	Optional reporting	16
Annex A (normative) Calibration, maintenance and checks		17
Bibliography		19