

DIMMS CONTROL s.r.l. - Geotechnical Laboratory of soils & rocks



EXTRUSION AND PREPARATION TRIAX, SHEAR, ETC.



extrusion by shelby, Mazier, Osterberg



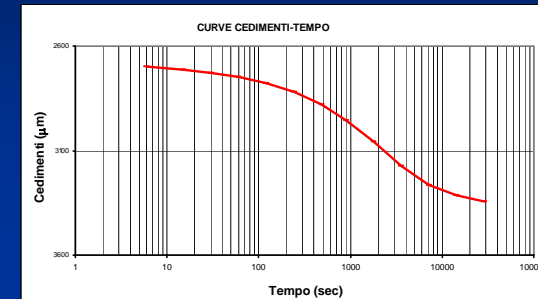
Preparation for Triax, shear, edo. (steel)



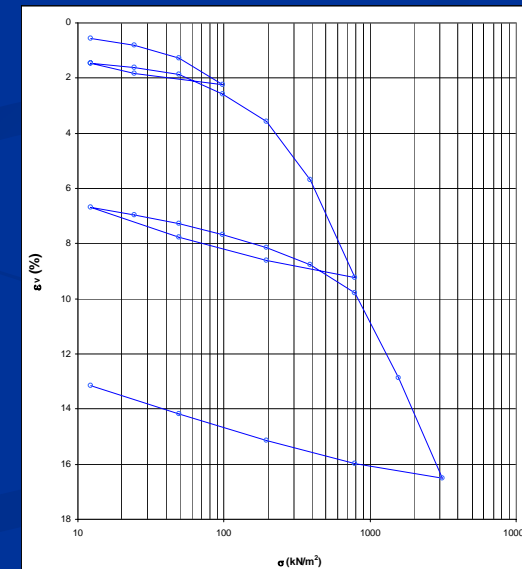
EDOMETRIC TEST



Max Load: 256 kg/cm²
Sensibility advanced: 1 μm
minimal time of acquisition: 1 sec
Max number of acquisition: 9999



Advanced - time

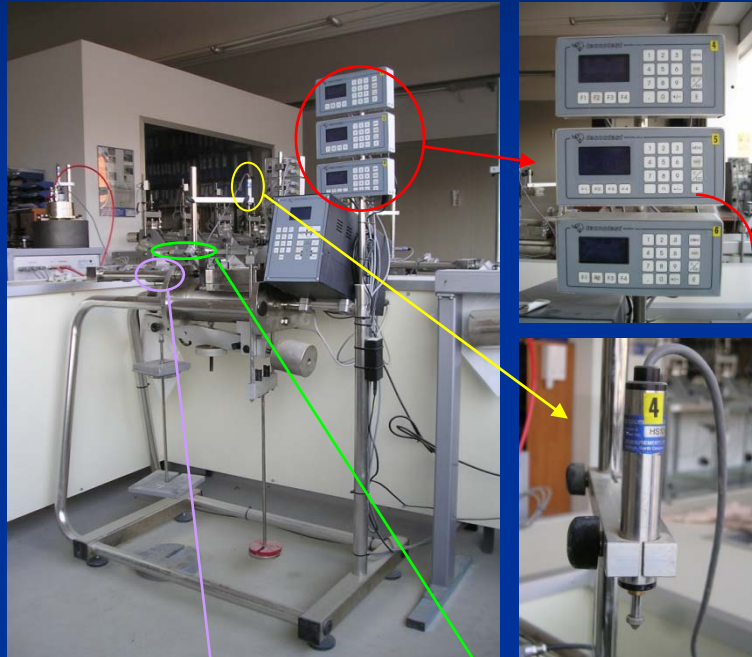


Edometric diagram

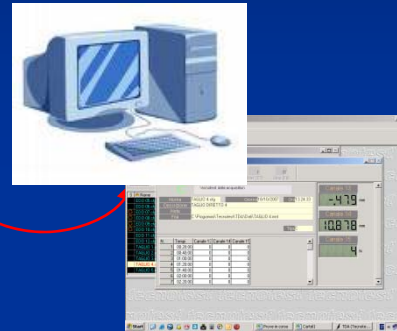
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SHEAR TEST



Automatic and electronic acquisition



Max horizontal movement.: 10 mm

Sensibility advanced: 1 μ m

Diagram 3:

Shear strength- Vertical Load

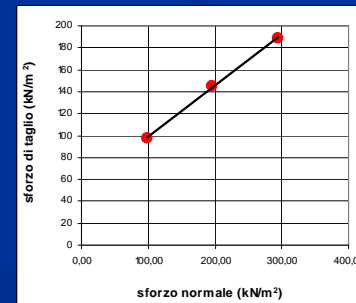


Diagram 1:
horizontal and vertical advanced

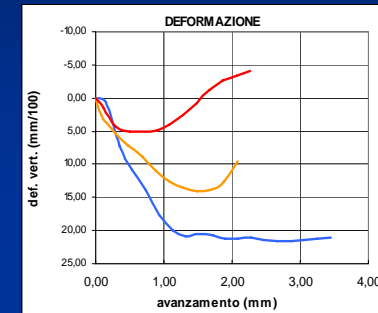
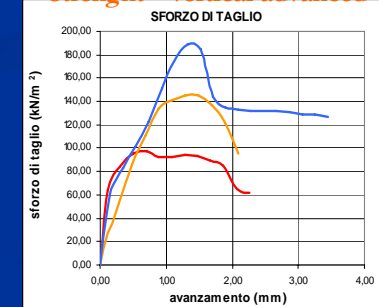


Diagram 2:

Strength - vertical advanced



Final phase



Load Cell: 5 kN

Sensibility advanced: 1 μ m

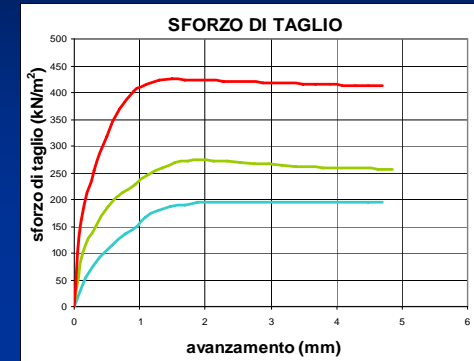


Sensibility advanced: 1 μ m

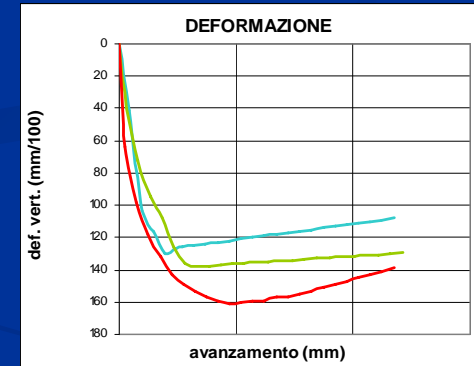
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SHEAR RING TEST



HORIZONTAL ADVANCED - SHEAR STRENGHT



VERTICAL/HORIZONTAL ADVANCED

Electronic and automatic TEST

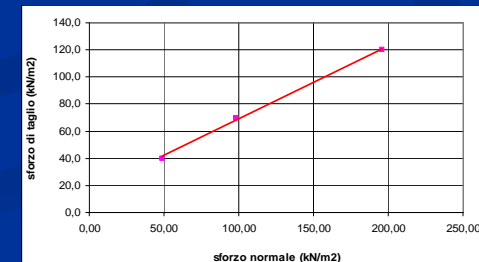
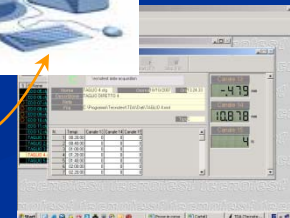
Vertical deformation

Sensibility 1 μm

Consolidation pressure

Sensibility 0.1 kPa

Automatic and electronic acquisition



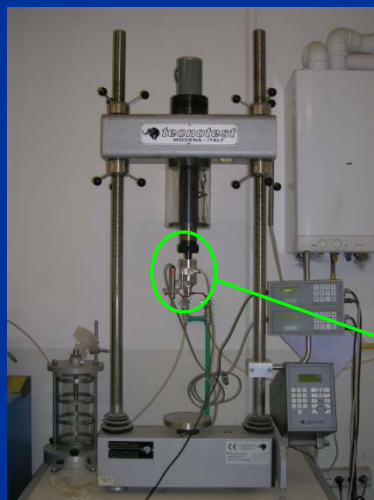
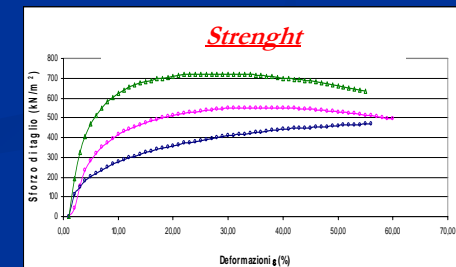
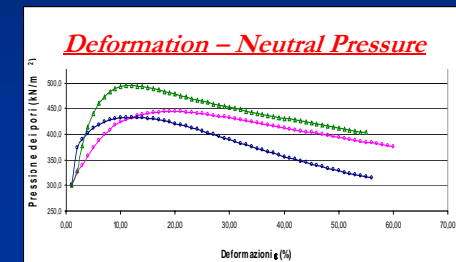
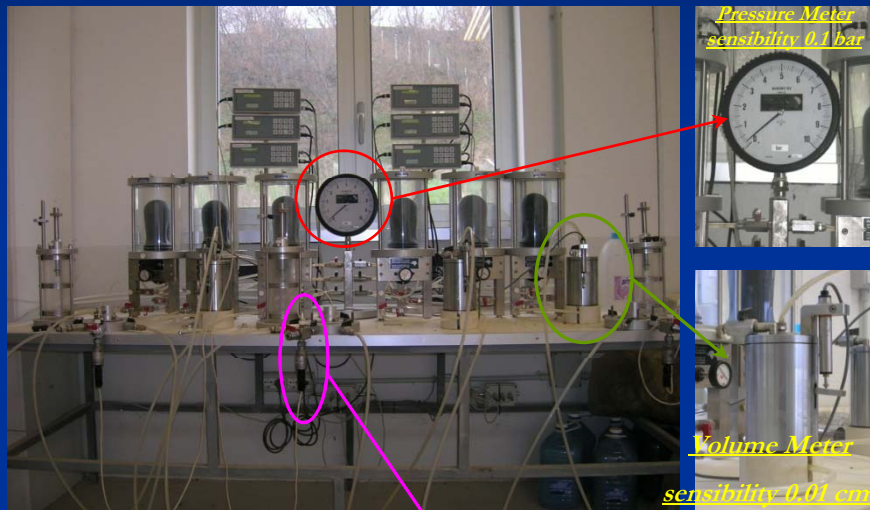
SHEAR STRENGHE - VERTICAL LOAD

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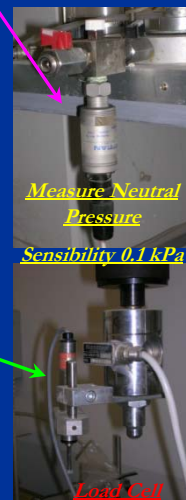


TRIAxIAL TEST(UU-CIU-CID)

Unconsolidated Undrained – Consolidated Undrained – Consolidated Drained



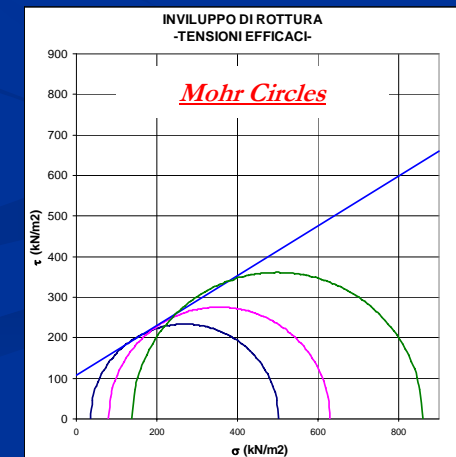
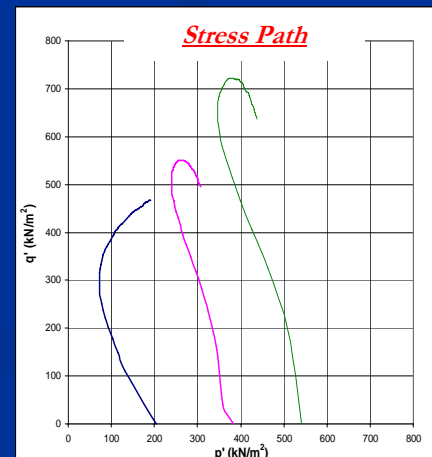
Press Machine for Triaxial Test



Sensitivity LN



Triaxial Cell



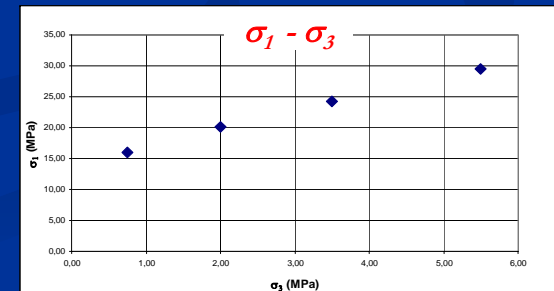
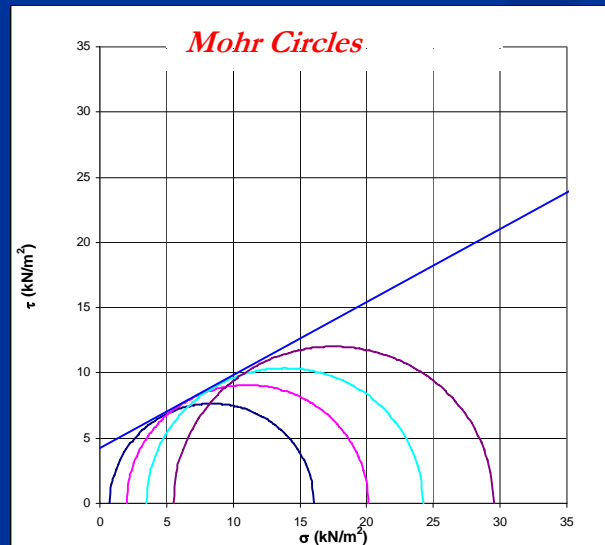
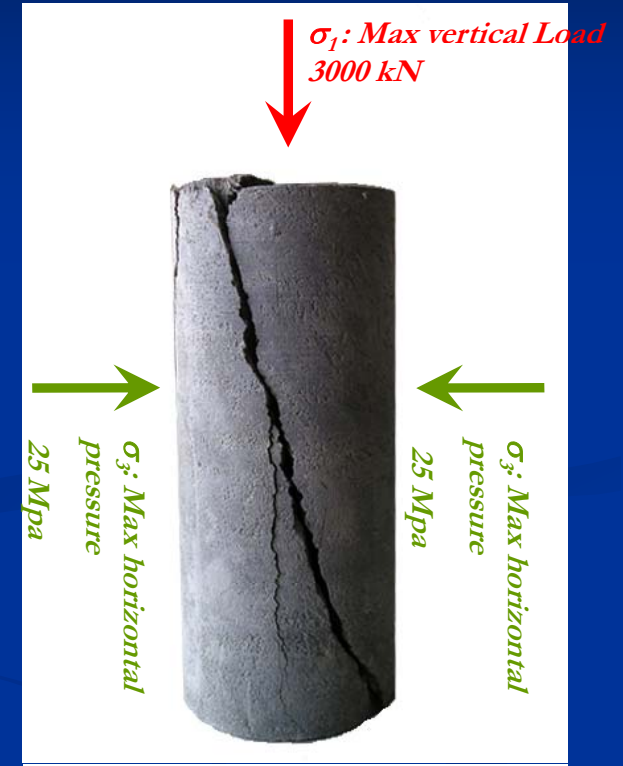
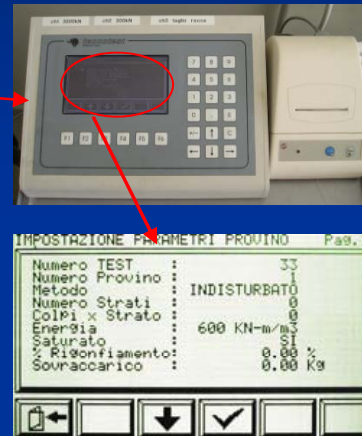
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ROCK TRIAXIAL TEST



Electronic and Automatic TEST



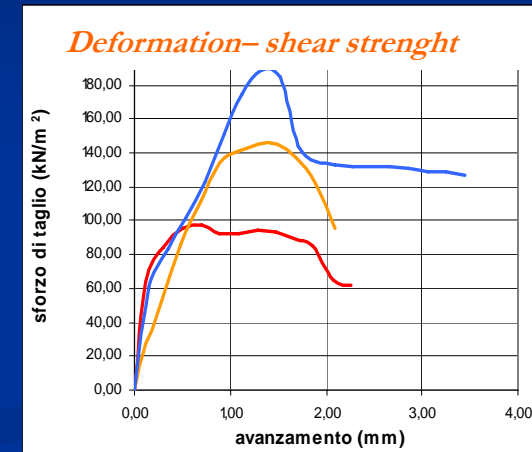
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ROCK SHEAR TEST

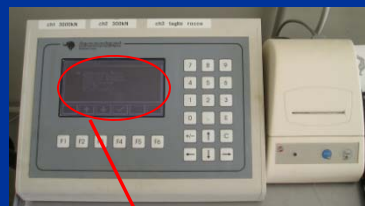


STEEL BOX FOR SHEAR

TEST ON ROCKS

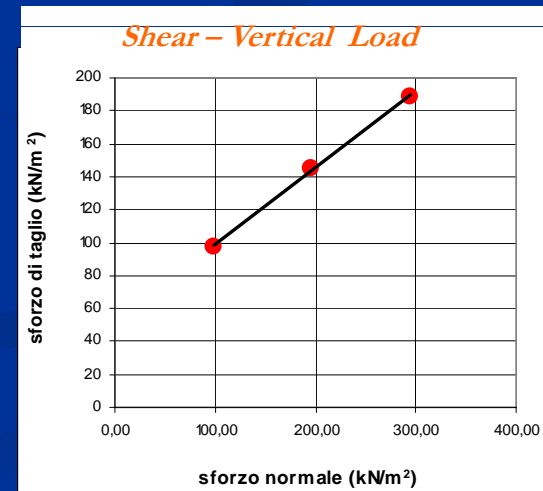


Electronic and Automatic TEST



IMPOSTAZIONE PARAMETRI PROVINO Pas.1

Numero TEST :	33
Numero Provino :	1
Metodo Strati :	INDISTURBATO
Numero Strati :	0
ColPi x Strato :	0
Energia :	600 KN-m/m ³
Saturato :	SI
% Risonfiamento :	0.00 %
Sovraccarico :	0.00 Kg



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POINT LOAD TEST



Load Cell
Sensibility 0,1 N



After Test

Before Test



Elaborazione dati

MLAB02/01.3 Rev. 01 Del 16/11/04	LABORATORIO DI GEOTECNICA D.I.M.S. CONTROL S.R.L. C.da Archi 14/g - 83100 Avellino - tel. 0825.24363 - fax 0825.248705 e-mail info@dimms.it P.IVA 01872430648 POINT LOAD STRENGTH TEST (ASTM D5731/05)																																																																																																																																																				
Committente: DIREZIONE DEI LAVORI Lavoro: 5° Macrolotto Autostrada SA-RC N° protocollo richiesta prove: PRT 07/3309/MB/Id Data Esecuzione Prova: 11/10/2007 Località/Opera: GALLERIA NATURALE BAGNARA SUD Progressiva: Imbocco Sud-Fronte galleria Ubicazione planimetrica: Ubicazione altimetrica: Cod. Ver. D.L.: GN06/0004/INS Data Prelievo: 05/10/07 Contrassegno Campioni: 01 GN01	N° Certificato: 8831 Data: 18/10/2007 Pagina 1 di 1																																																																																																																																																				
Identificazione visiva: Litologia <input type="checkbox"/> Gneiss/scisto Colore <input type="checkbox"/> Grigio Struttura <input type="checkbox"/> Isotropa																																																																																																																																																					
Tipologia di rottura Test diametrale su carote <input type="checkbox"/> Test assiali su carote <input type="checkbox"/> Test su provini irregolari <input checked="" type="checkbox"/>																																																																																																																																																					
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