

# Load plate pressure test DCLOAD

Soil pressure in MN/m <sup>2</sup>	Settlement s in 0.01 mm	Soil pressure in MN/m <sup>2</sup>	Settlement s in 0.01 mm	Soil pressure in MN/m <sup>2</sup>	Settlement s in 0.01 mm
0.080	7	0.250	113	0.080	81
0.160	20	0.120	95	0.160	88
0.240	31	0.000	75	0.240	97
0.320	53			0.320	104
0.400	80			0.400	115
0.450	96			0.450	123
0.500	128				

- Load plate pressure test acc. to DIN 18 134, SN 670 317b, BS 1377-9
- German, English, French language

- Optional determination of deformation modulus  $E_v$  or modulus of foundation  $k_s$
- Evaluation of  $E_{v1}$ ,  $E_{v2}$ ,  $E_{v3}$ ,  $E_{v2}/E_{v1}$ , comparison with obligatory values
- Input of measurement with 1 or 3 gauges

- Loading as force / manometer reading or soil pressure, settlement in mm or 1/100 mm
- Optional display with measure values
- Adjustable minimal range for the diagram

Presentation of the measure values

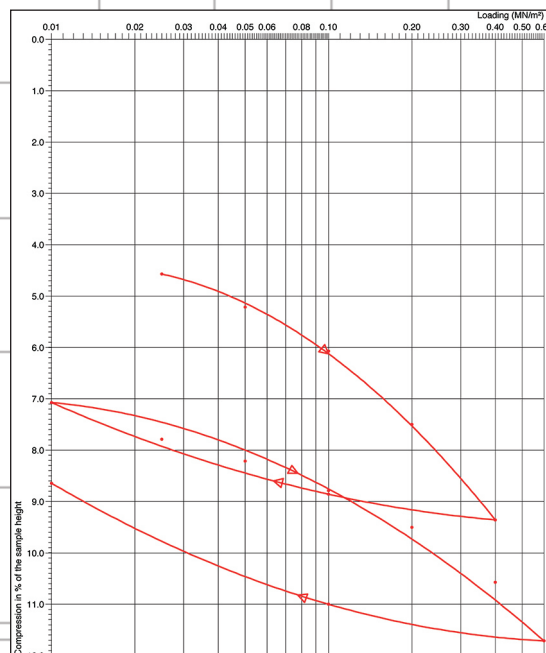
Evaluation

Max. $\sigma_1$	Curve	Parameter $a_1$	Parameter $a_2$	$E_v$	Plate d = 300 mm
0.500	1	-0.26	5.18	$E_{v1} = 96.8 \text{ MN/m}^2$	$\frac{E_{v2}}{E_{v1}} = 2.13$
0.500	2	0.66	0.87	$E_{v2} = 206.3 \text{ MN/m}^2$	
Requirement:		$E_{v2} \geq 200.0 \text{ MN/m}^2$	$E_{v2}/E_{v1} \leq 2.50$	fulfilled: yes	

# Compression test DCPRESS

- Oedometer test acc. to EN ISO/TS 17892-5
- German, English, French language
- Input of force or soil pressure, settlement in mm or 1/100 mm
- Logarithmic presentation
- Evaluation of arbitrary load areas for the modulus of compressibility
- Optional presentation with measure values
- Adjustable minimal range for the diagram

Settlement s (mm)



Max. $\sigma_1$	Curve	Coefficients of compressibility (MN/m <sup>2</sup> )	$E_v$ Pressure-Settlement-Line	Plate d = 300 mm												
0.500	1	<table border="1"> <tr><td>Loading</td><td>1</td><td>2</td></tr> <tr><td>0.10 - 0.20</td><td>7.12</td><td>10.22</td></tr> <tr><td>0.20 - 0.40</td><td>10.93</td><td>16.95</td></tr> <tr><td>0.40 - 0.60</td><td></td><td>25.00</td></tr> </table>	Loading	1	2	0.10 - 0.20	7.12	10.22	0.20 - 0.40	10.93	16.95	0.40 - 0.60		25.00	$E_{v1} = 96.8 \text{ MN/m}^2$	$\frac{E_{v2}}{E_{v1}} = 2.13$
Loading	1	2														
0.10 - 0.20	7.12	10.22														
0.20 - 0.40	10.93	16.95														
0.40 - 0.60		25.00														
0.500	2		$E_{v2} = 206.3 \text{ MN/m}^2$													
Requirement:		$E_{v2} \geq 200.0 \text{ MN/m}^2$	$E_{v2}/E_{v1} \leq 2.50$	fulfilled: yes												

Definition of  
Measurements  
Humid p  
Mass c  
Mass  
Prob