

Projektname : NBS Gelnhausen-Fulda, Los Süd

Name der Bohrung: BK VII-36

Datum: 17.08.22

Messstelle : VII36\_70

Messtiefe : 69.25 m

Wasserspiegel: 45.00 m

Querdehnungszahl: 0.25

Formation:

Gestein:

Orientierung Weg 2 :

| Zeit<br>Min | Druck<br>MN/qm | Weg 1<br>mm | Weg 2<br>mm | Weg 3<br>mm | Mittel<br>mm |
|-------------|----------------|-------------|-------------|-------------|--------------|
| 0           | 0.507          | 0.000       | 0.000       | 0.000       | 0.000        |
| 1           | 0.507          | 0.124       | 0.116       | 0.114       | 0.118        |
| 2           | 0.688          | 0.244       | 0.289       | 0.120       | 0.218        |
| 3           | 0.688          | 0.263       | 0.370       | 0.173       | 0.269        |
| 4           | 0.897          | 0.269       | 0.395       | 0.180       | 0.281        |
| 5           | 0.897          | 0.292       | 0.412       | 0.232       | 0.312        |
| 5           | 1.108          | 0.308       | 0.424       | 0.261       | 0.331        |
| 6           | 1.108          | 0.339       | 0.437       | 0.315       | 0.364        |
| 7           | 1.108          | 0.367       | 0.450       | 0.366       | 0.394        |
| 8           | 1.108          | 0.380       | 0.462       | 0.378       | 0.407        |
| 9           | 1.108          | 0.389       | 0.469       | 0.388       | 0.415        |
| 10          | 1.108          | 0.396       | 0.476       | 0.396       | 0.423        |
| 11          | 0.897          | 0.391       | 0.474       | 0.394       | 0.420        |
| 12          | 0.897          | 0.390       | 0.471       | 0.392       | 0.418        |
| 13          | 0.697          | 0.389       | 0.467       | 0.390       | 0.415        |
| 14          | 0.697          | 0.387       | 0.464       | 0.390       | 0.414        |
| 15          | 0.497          | 0.383       | 0.461       | 0.388       | 0.411        |
| 16          | 0.497          | 0.382       | 0.459       | 0.386       | 0.409        |
| 17          | 0.497          | 0.381       | 0.458       | 0.385       | 0.408        |
| 18          | 0.497          | 0.381       | 0.457       | 0.384       | 0.407        |
| 18          | 0.697          | 0.384       | 0.461       | 0.386       | 0.410        |
| 19          | 0.697          | 0.386       | 0.463       | 0.389       | 0.413        |
| 19          | 0.897          | 0.388       | 0.468       | 0.390       | 0.415        |
| 20          | 0.897          | 0.388       | 0.469       | 0.392       | 0.416        |
| 21          | 1.097          | 0.393       | 0.474       | 0.396       | 0.421        |
| 22          | 1.097          | 0.397       | 0.477       | 0.405       | 0.426        |
| 22          | 1.397          | 0.404       | 0.481       | 0.417       | 0.434        |
| 23          | 1.397          | 0.410       | 0.483       | 0.432       | 0.442        |
| 24          | 1.697          | 0.425       | 0.494       | 0.463       | 0.461        |
| 25          | 1.697          | 0.428       | 0.495       | 0.468       | 0.464        |

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|-------------|----------------|-------------|-------------|-------------|--------------|
| 26          | 1.997          | 0.433       | 0.503       | 0.472       | 0.469        |
| 27          | 1.997          | 0.441       | 0.514       | 0.485       | 0.480        |
| 28          | 1.997          | 0.446       | 0.520       | 0.494       | 0.487        |
| 29          | 1.997          | 0.450       | 0.525       | 0.500       | 0.492        |
| 30          | 1.997          | 0.454       | 0.529       | 0.505       | 0.496        |
| 31          | 1.997          | 0.457       | 0.531       | 0.510       | 0.499        |
| 32          | 1.497          | 0.446       | 0.512       | 0.498       | 0.485        |
| 33          | 1.497          | 0.445       | 0.510       | 0.496       | 0.484        |
| 35          | 1.007          | 0.436       | 0.503       | 0.475       | 0.471        |
| 36          | 1.007          | 0.436       | 0.503       | 0.473       | 0.471        |
| 37          | 0.697          | 0.433       | 0.499       | 0.469       | 0.467        |
| 38          | 0.697          | 0.433       | 0.498       | 0.467       | 0.466        |
| 38          | 0.497          | 0.428       | 0.492       | 0.461       | 0.460        |
| 39          | 0.497          | 0.427       | 0.492       | 0.456       | 0.458        |
| 40          | 0.497          | 0.426       | 0.492       | 0.454       | 0.457        |
| 41          | 0.497          | 0.426       | 0.492       | 0.454       | 0.457        |
| 42          | 0.697          | 0.427       | 0.496       | 0.459       | 0.461        |
| 43          | 0.697          | 0.427       | 0.497       | 0.461       | 0.462        |
| 44          | 1.007          | 0.431       | 0.499       | 0.467       | 0.466        |
| 45          | 1.007          | 0.432       | 0.499       | 0.470       | 0.467        |
| 45          | 1.497          | 0.440       | 0.507       | 0.478       | 0.475        |
| 46          | 1.497          | 0.442       | 0.509       | 0.485       | 0.479        |
| 47          | 2.007          | 0.455       | 0.528       | 0.506       | 0.496        |
| 48          | 2.007          | 0.458       | 0.532       | 0.519       | 0.503        |
| 49          | 2.497          | 0.473       | 0.548       | 0.537       | 0.519        |
| 50          | 2.497          | 0.478       | 0.559       | 0.539       | 0.525        |
| 50          | 2.998          | 0.485       | 0.574       | 0.547       | 0.535        |
| 51          | 2.998          | 0.492       | 0.583       | 0.551       | 0.542        |
| 52          | 3.507          | 0.507       | 0.604       | 0.567       | 0.559        |
| 53          | 3.507          | 0.520       | 0.616       | 0.585       | 0.574        |

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|-------------|----------------|-------------|-------------|-------------|--------------|
| 54          | 3.998          | 0.539       | 0.645       | 0.602       | 0.595        |
| 55          | 3.998          | 0.559       | 0.689       | 0.610       | 0.619        |
| 55          | 4.498          | 0.574       | 0.708       | 0.621       | 0.634        |
| 56          | 4.498          | 0.584       | 0.719       | 0.630       | 0.644        |
| 57          | 4.498          | 0.588       | 0.723       | 0.638       | 0.650        |
| 58          | 4.498          | 0.590       | 0.726       | 0.643       | 0.653        |
| 59          | 4.498          | 0.592       | 0.729       | 0.647       | 0.656        |
| 60          | 4.498          | 0.594       | 0.730       | 0.651       | 0.658        |
| 61          | 3.507          | 0.584       | 0.717       | 0.635       | 0.645        |
| 62          | 3.507          | 0.584       | 0.715       | 0.634       | 0.644        |
| 63          | 2.497          | 0.572       | 0.702       | 0.614       | 0.629        |
| 64          | 2.497          | 0.570       | 0.700       | 0.612       | 0.627        |
| 66          | 1.497          | 0.553       | 0.674       | 0.588       | 0.605        |
| 67          | 1.497          | 0.550       | 0.670       | 0.586       | 0.602        |
| 68          | 1.007          | 0.538       | 0.662       | 0.555       | 0.585        |
| 69          | 1.007          | 0.536       | 0.659       | 0.550       | 0.582        |
| 70          | 0.697          | 0.533       | 0.656       | 0.544       | 0.578        |
| 71          | 0.697          | 0.533       | 0.656       | 0.543       | 0.577        |
| 71          | 0.507          | 0.529       | 0.653       | 0.540       | 0.574        |
| 72          | 0.507          | 0.528       | 0.652       | 0.539       | 0.573        |
| 73          | 0.507          | 0.528       | 0.651       | 0.539       | 0.573        |
| 74          | 0.507          | 0.528       | 0.651       | 0.539       | 0.573        |

3468P0018K0016

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Formation:

Gestein:

Orientierung Weg 2 :

| Belastungsmoduli   |      |                     |                     |                     |                 |
|--------------------|------|---------------------|---------------------|---------------------|-----------------|
| Belastung<br>MN/qm |      | Richtung 1<br>MN/qm | Richtung 2<br>MN/qm | Richtung 3<br>MN/qm | Mittel<br>MN/qm |
| 0.51 -             | 1.11 | 278                 | 210                 | 269                 | 253             |
| 0.50 -             | 2.00 | 2492                | 2559                | 1503                | 2185            |
| 0.50 -             | 4.50 | 3006                | 2122                | 2563                | 2564            |

| Wiederbelastungsmoduli |      |                     |                     |                     |                 |
|------------------------|------|---------------------|---------------------|---------------------|-----------------|
| Belastung<br>MN/qm     |      | Richtung 1<br>MN/qm | Richtung 2<br>MN/qm | Richtung 3<br>MN/qm | Mittel<br>MN/qm |
| 0.50 -                 | 1.10 | 4734                | 3787                | 3607                | 4043            |
| 0.50 -                 | 2.01 | 5957                | 4766                | 2933                | 4552            |

| Erstbelastungsmoduli |      |                     |                     |                     |                 |
|----------------------|------|---------------------|---------------------|---------------------|-----------------|
| Belastung<br>MN/qm   |      | Richtung 1<br>MN/qm | Richtung 2<br>MN/qm | Richtung 3<br>MN/qm | Mittel<br>MN/qm |
| 0.51 -               | 1.11 | 278                 | 210                 | 269                 | 253             |
| 1.10 -               | 2.00 | 1894                | 2104                | 1082                | 1693            |
| 2.01 -               | 4.50 | 2311                | 1588                | 2382                | 2094            |

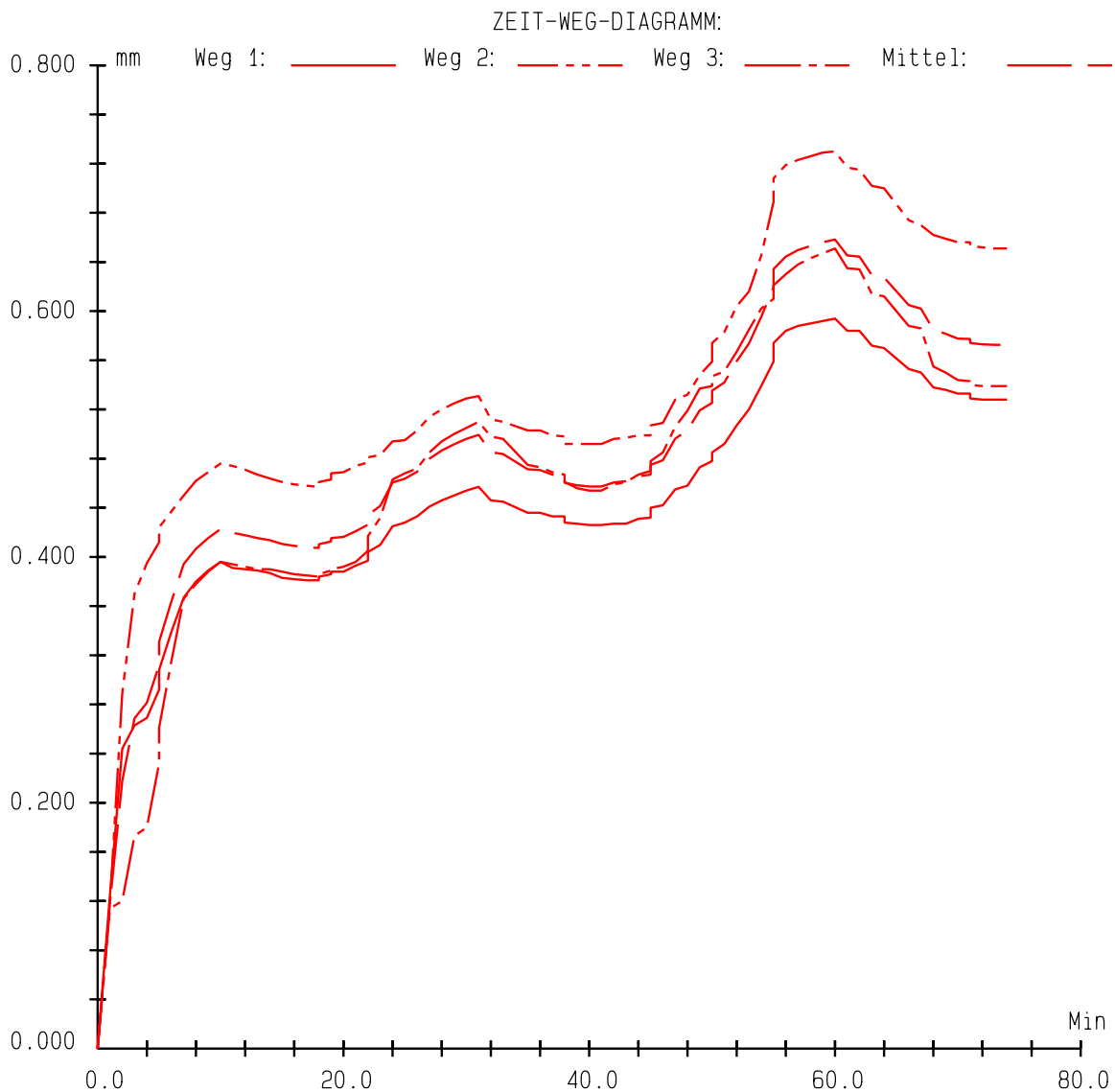
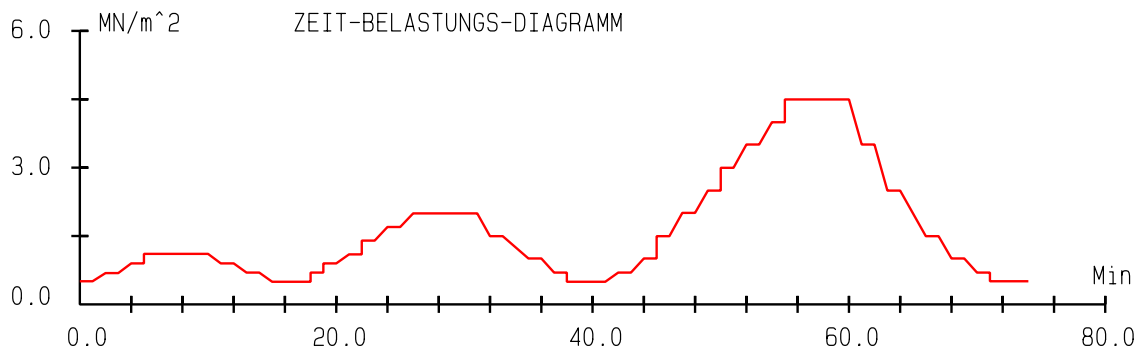
| Entlastungsmoduli  |      |                     |                     |                     |                 |
|--------------------|------|---------------------|---------------------|---------------------|-----------------|
| Belastung<br>MN/qm |      | Richtung 1<br>MN/qm | Richtung 2<br>MN/qm | Richtung 3<br>MN/qm | Mittel<br>MN/qm |
| 1.11 -             | 0.50 | 5134                | 4053                | 6418                | 5202            |
| 2.00 -             | 0.50 | 6109                | 4856                | 3382                | 4782            |
| 4.50 -             | 0.51 | 7632                | 6376                | 4498                | 6169            |

3468P0018K0016

# DILATOMETER

Anlage: - 1 -

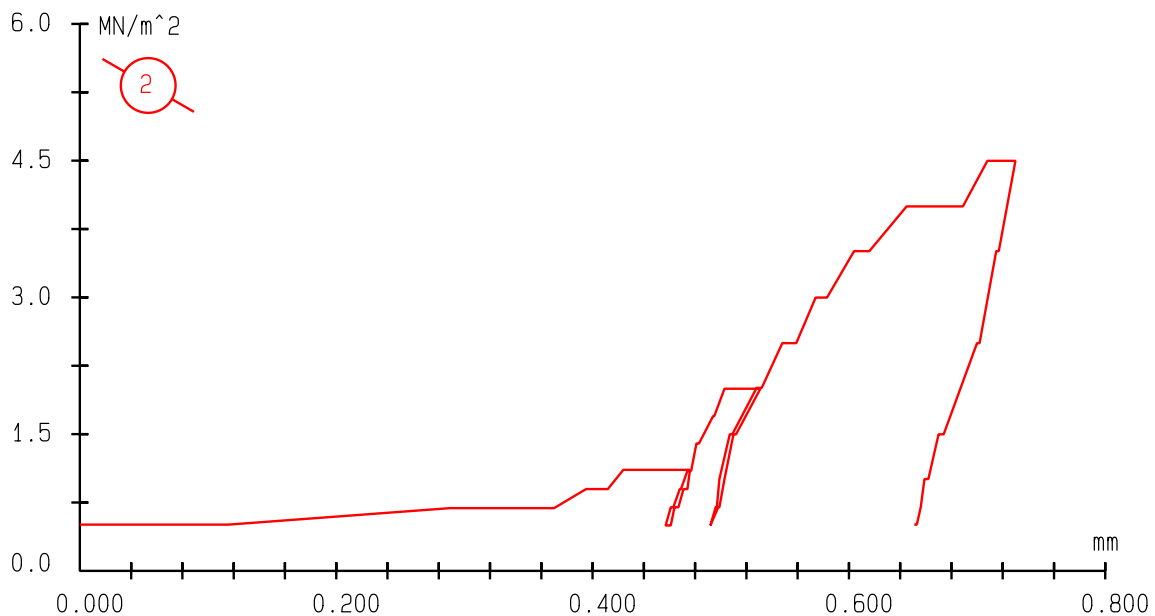
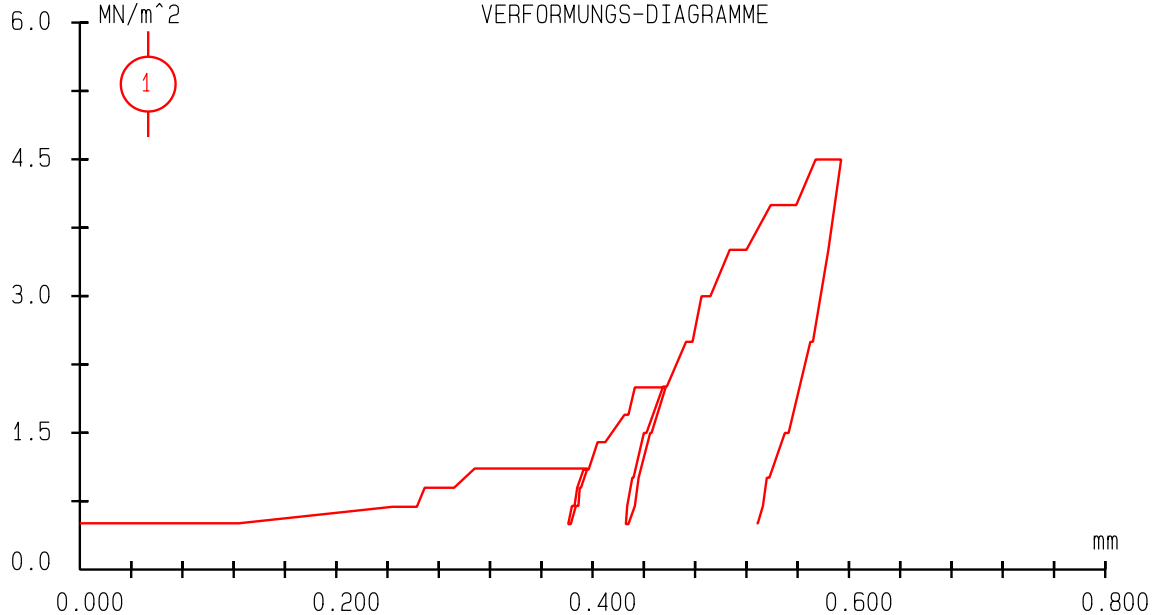
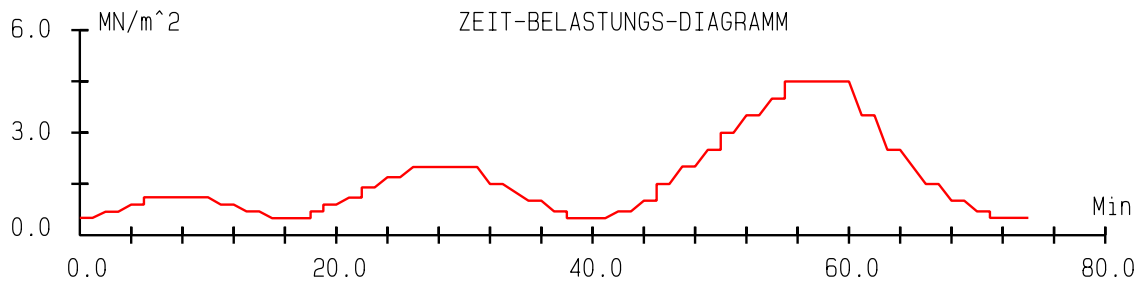
PROJEKTNAME: NBS Gelnhausen-Fulda, Los S d  
 BOHRUNG: BK VII-36 WASSERSPIEGEL: 45.00m DURCHMESSER: 101mm  
 MESSSTELLE: VII36\_70 TIEFE: 69.25m DATUM: 17.08.22



# DILATOMETER

Anlage: - 2 -

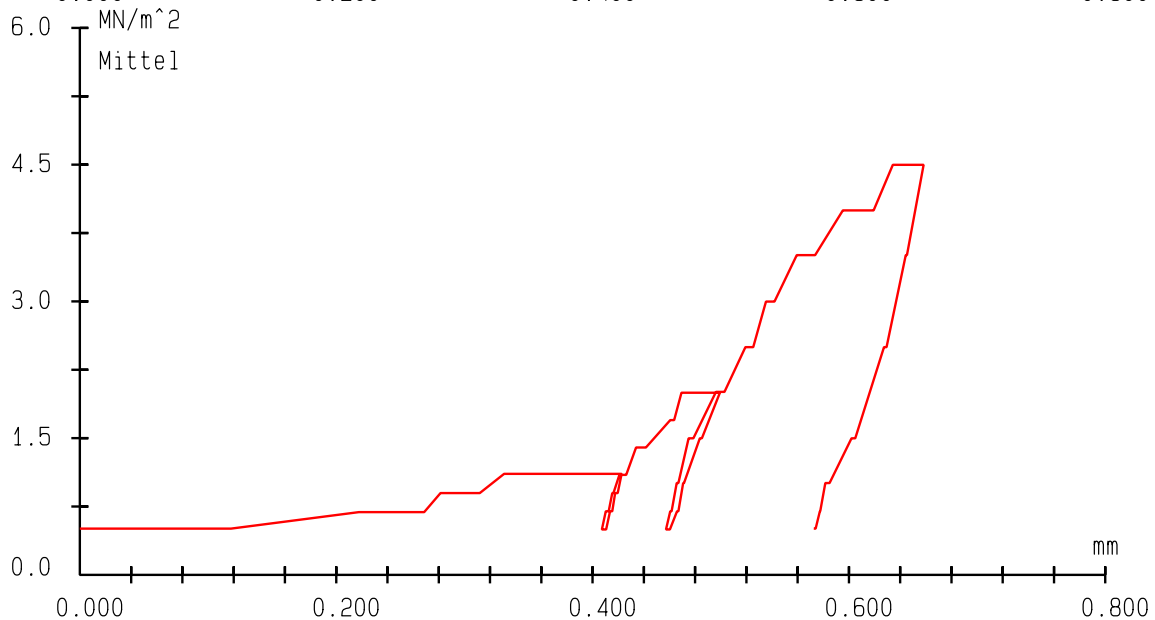
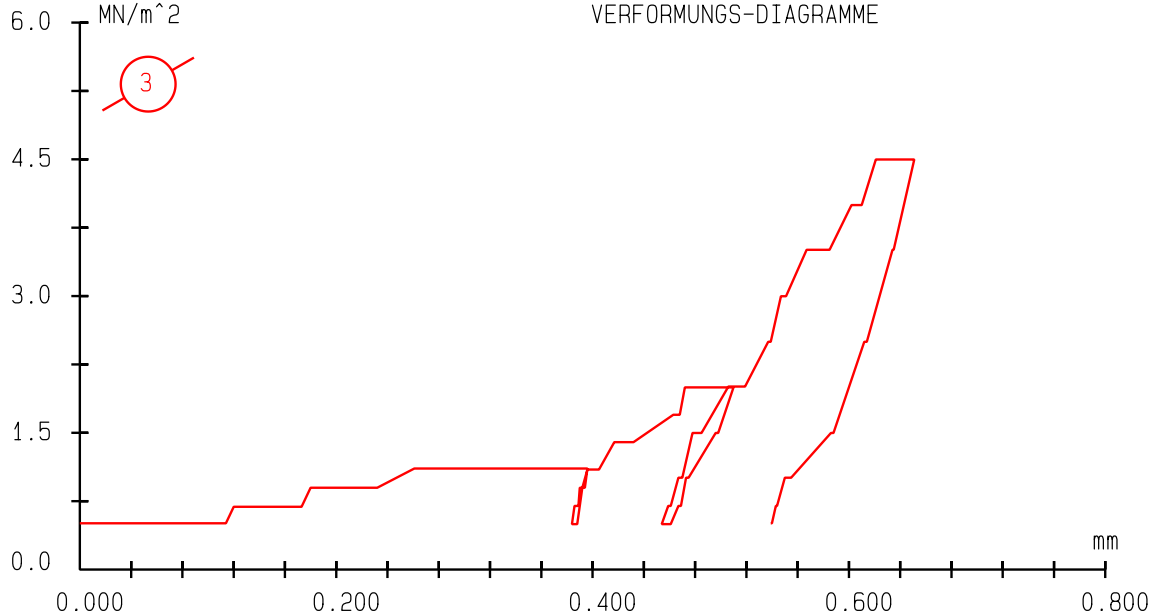
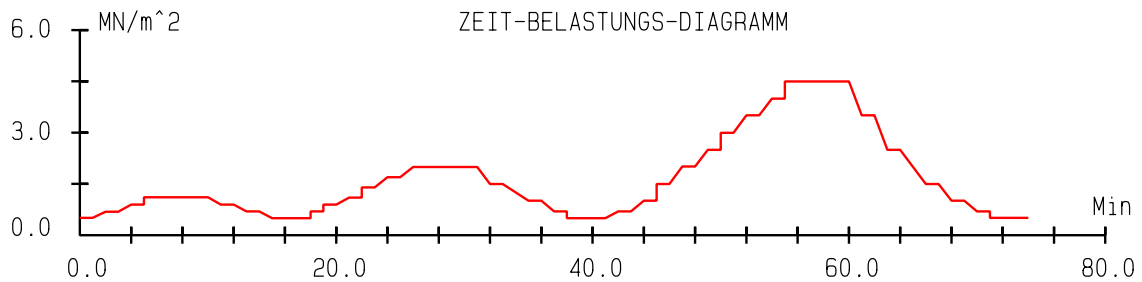
PROJEKTNAME: NBS Gelnhausen-Fulda, Los S d  
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 MESSSTELLE: VII36\_70 TIEFE: 69.25m DATUM: 17.08.22



# DILATOMETER

Anlage: - 3 -

PROJEKTNAME: NBS Gelnhausen-Fulda, Los S d  
 BOHRUNG: BK VII-36 WASSERSPIEGEL: 45.00m DURCHMESSER: 101mm  
 MESSSTELLE: VII36\_70 TIEFE: 69.25m DATUM: 17.08.22

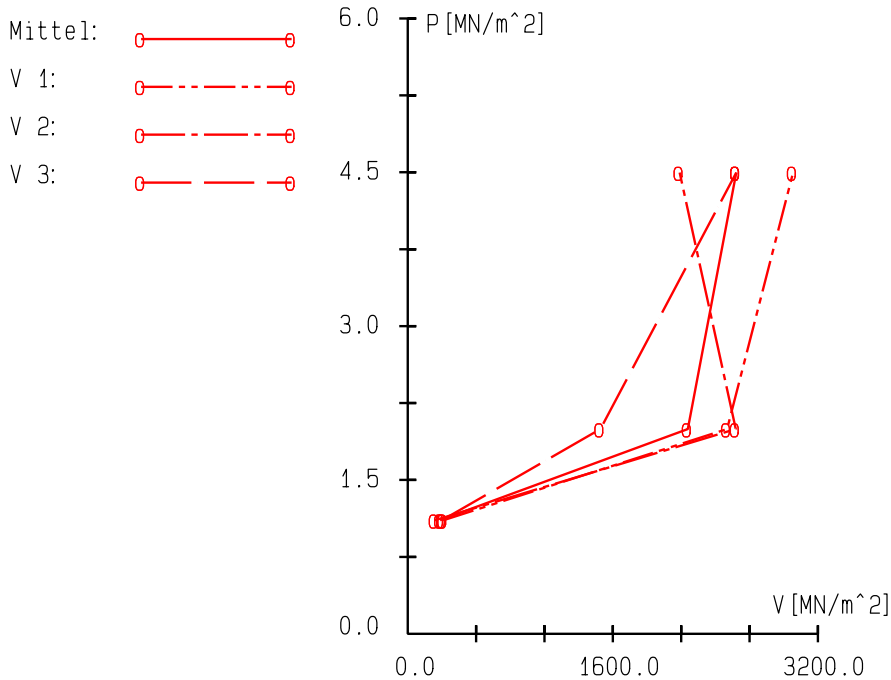


# DILATOMETER

Anlage: - 4 -

PROJEKTNAME: NBS Gelnhausen-Fulda, Los S d  
 BOHRUNG: BK VII-36 WASSERSPIEGEL: 45.00m DURCHMESSER: 101mm  
 MESSSTELLE: VII36\_70 TIEFE: 69.25m DATUM: 17.08.22

BELASTUNGSMODULI-LASTSTUFEN-DIAGRAMM



ENTLASTUNGSMODULI-LASTSTUFEN-DIAGRAMM

