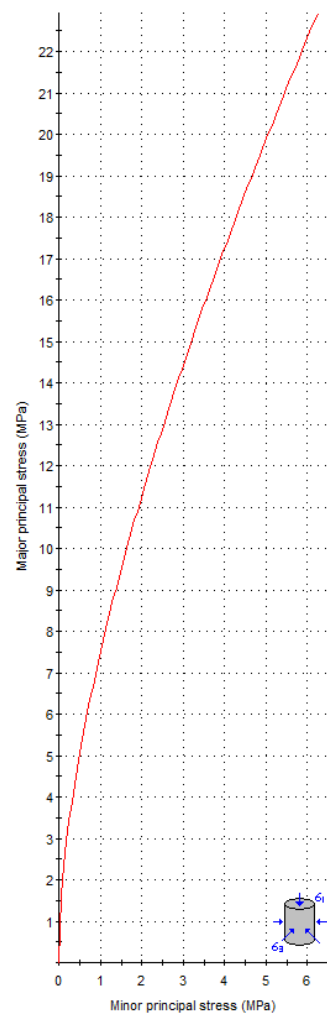


**Příloha 6 VÝSLEDKY ANALÝZY PEVNOSTI V PROGRAMU
ROCKLAB**

SLEPENEC	GT 4.3	R4	J-101	$C_{ef}=1,195 \text{ MPa}$	$\phi_{ef}=31,31^\circ$	$E_{def}=2003,06 \text{ Mpa}$
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Analysis of Rock Strength using RocLab



Hoek-Brown Classification

intact uniaxial compressive strength = 25 MPa
 GSI = 35 $m_i = 21$ Disturbance factor = 0.1

Hoek-Brown Criterion

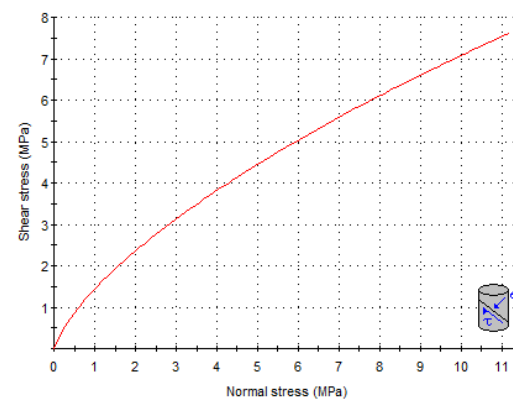
$m_b = 1.824$ $s = 0.0006$ $a = 0.516$

Mohr-Coulomb Fit

cohesion = 1.195 MPa friction angle = 31.31 deg

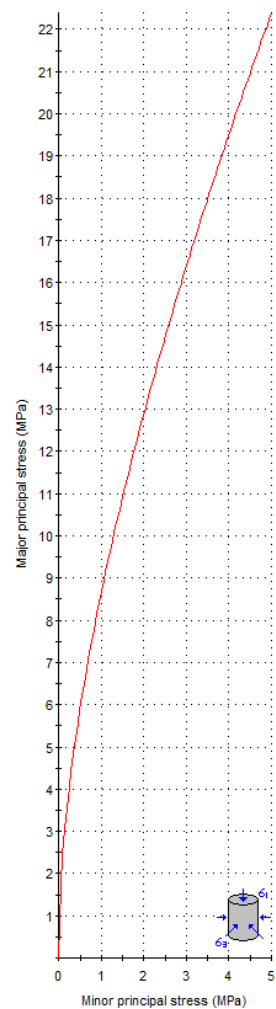
Rock Mass Parameters

tensile strength = -0.008 MPa
 uniaxial compressive strength = 0.529 MPa
 global strength = 4.251 MPa
 modulus of deformation = 2003.06 MPa



GRANODIORIT	GT 5.4	R4	J-102	$C_{ef}=1,152 \text{ MPa}$	$\phi_{ef}=35,73^\circ$	$E_{def}=2389,12 \text{ Mpa}$
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Analysis of Rock Strength using RocLab



Hoek-Brown Classification

intact uniaxial compressive strength = 20 MPa
 $GSI = 40$ $m_i = 29$ Disturbance factor = 0.1

Hoek-Brown Criterion

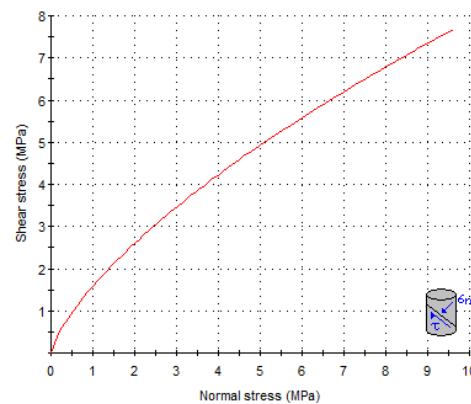
$m_b = 3.039$ $s = 0.0010$ $a = 0.511$

Mohr-Coulomb Fit

cohesion = 1.152 MPa friction angle = 35.73 deg

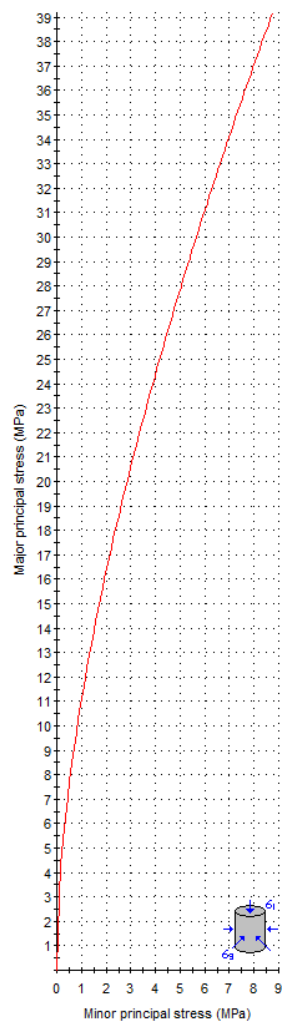
Rock Mass Parameters

tensile strength = -0.007 MPa
 uniaxial compressive strength = 0.588 MPa
 global strength = 4.496 MPa
 modulus of deformation = 2389.12 MPa



GRANODIORIT	GT 5.5	R4-R3	J-103	$C_{ef}=2,016 \text{ MPa}$	$\phi_{ef}=35,73^\circ$	$E_{def}=3160,51 \text{ Mpa}$
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Analysis of Rock Strength using RocLab



Hoek-Brown Classification

intact uniaxial compressive strength = 35 MPa
 GSI = 40 $m_i = 29$ Disturbance factor = 0.1

Hoek-Brown Criterion

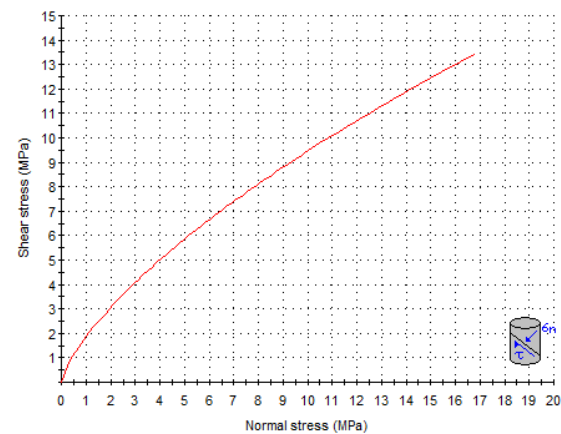
$m_b = 3.039$ $s = 0.0010$ $a = 0.511$

Mohr-Coulomb Fit

cohesion = 2.016 MPa friction angle = 35.73 deg

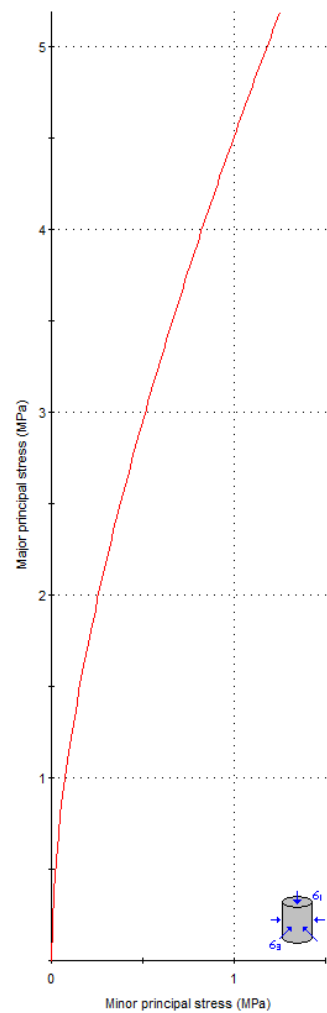
Rock Mass Parameters

tensile strength = -0.012 MPa
 uniaxial compressive strength = 1.029 MPa
 global strength = 7.869 MPa
 modulus of deformation = 3160.51 MPa



GRANODIORIT	GT 5.4	R5	J-104	$C_{ef}=0,266 \text{ MPa}$	$\phi_{ef}=34,13^\circ$	$E_{def}=895,79 \text{ Mpa}$
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Analysis of Rock Strength using RocLab



Hoek-Brown Classification

intact uniaxial compressive strength = 5 MPa
 GSI = 35 $m_i = 29$ Disturbance factor = 0.1

Hoek-Brown Criterion

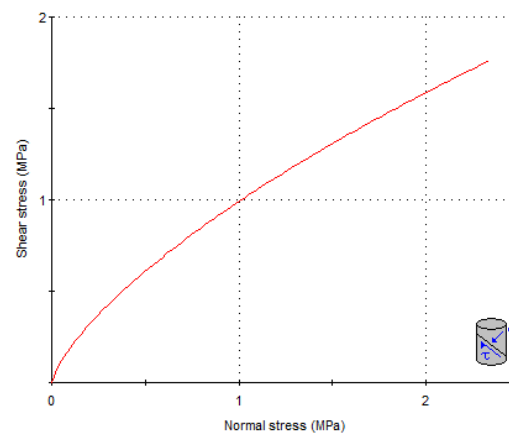
$m_b = 2.519$ $s = 0.0006$ $a = 0.516$

Mohr-Coulomb Fit

cohesion = 0.266 MPa friction angle = 34.13 deg

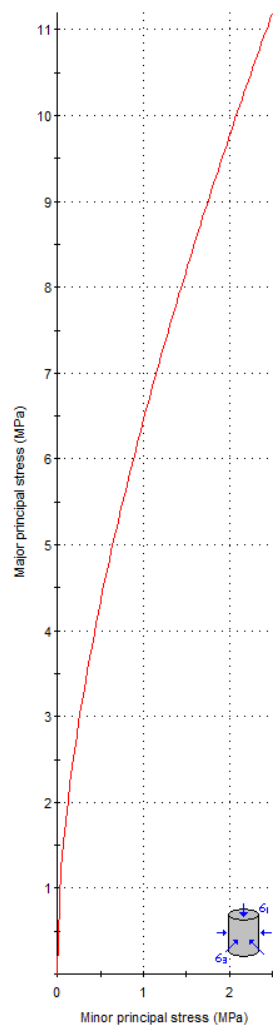
Rock Mass Parameters

tensile strength = -0.001 MPa
 uniaxial compressive strength = 0.106 MPa
 global strength = 1.003 MPa
 modulus of deformation = 895.79 MPa



GRANODIORIT	GT 5.4	R5-R4	J-105	$C_{ef}=0,576 \text{ MPa}$	$\phi_{ef}=35,73^\circ$	$E_{def}=1689,37 \text{ Mpa}$
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Analysis of Rock Strength using RocLab



Hoek-Brown Classification

intact uniaxial compressive strength = 10 MPa
 GSI = 40 $m_i = 29$ Disturbance factor = 0.1

Hoek-Brown Criterion

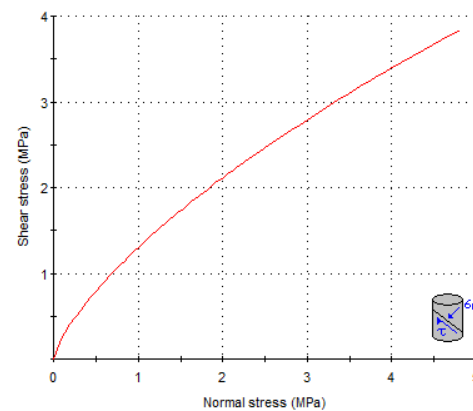
$m_b = 3.039$ $s = 0.0010$ $a = 0.511$

Mohr-Coulomb Fit

cohesion = 0.576 MPa friction angle = 35.73 deg

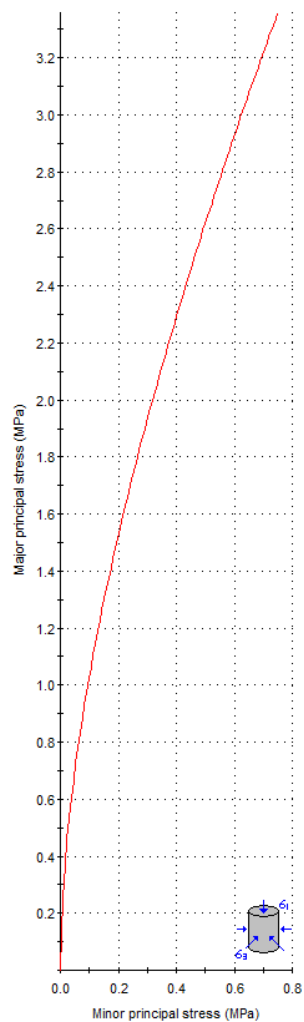
Rock Mass Parameters

tensile strength = -0.003 MPa
 uniaxial compressive strength = 0.294 MPa
 global strength = 2.248 MPa
 modulus of deformation = 1689.37 MPa



GRANODIORIT	GT 5.4	R6-R5	J-106	$C_{ef}=0,173 \text{ MPa}$	$\phi_{ef}=35,73^\circ$	$E_{def}=925,30 \text{ Mpa}$
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Analysis of Rock Strength using RocLab



Hoek-Brown Classification

intact uniaxial compressive strength = 3 MPa
 GSI = 40 $m_i = 29$ Disturbance factor = 0.1

Hoek-Brown Criterion

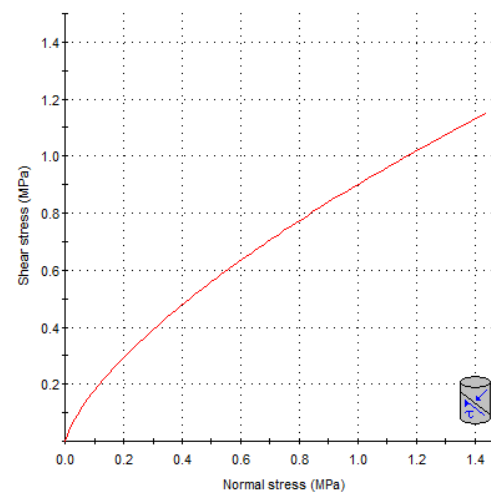
$m_b = 3.039$ $s = 0.0010$ $a = 0.511$

Mohr-Coulomb Fit

cohesion = 0.173 MPa friction angle = 35.73 deg

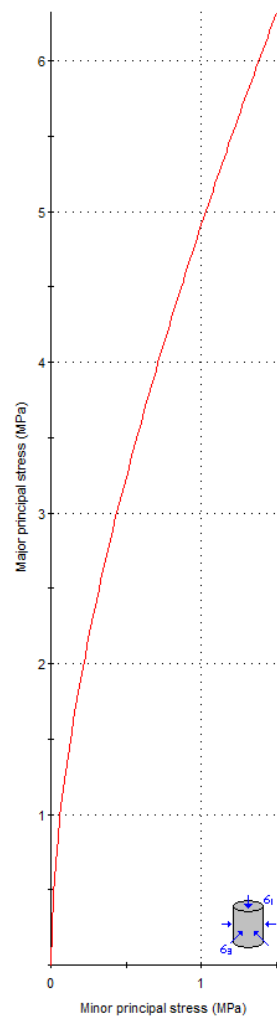
Rock Mass Parameters

tensile strength = -0.001 MPa
 uniaxial compressive strength = 0.088 MPa
 global strength = 0.674 MPa
 modulus of deformation = 925.30 MPa



GRANODIORIT	GT 5.4	R5	J-107	$C_{ef}=0,324 \text{ MPa}$	$\phi_{ef}=34,45^\circ$	$E_{def}=1039,44 \text{ Mpa}$
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Analysis of Rock Strength using RocLab



Hoek-Brown Classification

intact uniaxial compressive strength = 6 MPa
 $GSI = 36$ $m_i = 29$ Disturbance factor = 0.1

Hoek-Brown Criterion

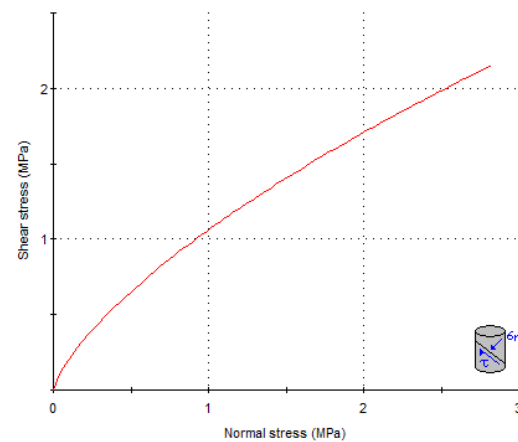
$m_b = 2.615$ $s = 0.0006$ $a = 0.515$

Mohr-Coulomb Fit

cohesion = 0.324 MPa friction angle = 34.45 deg

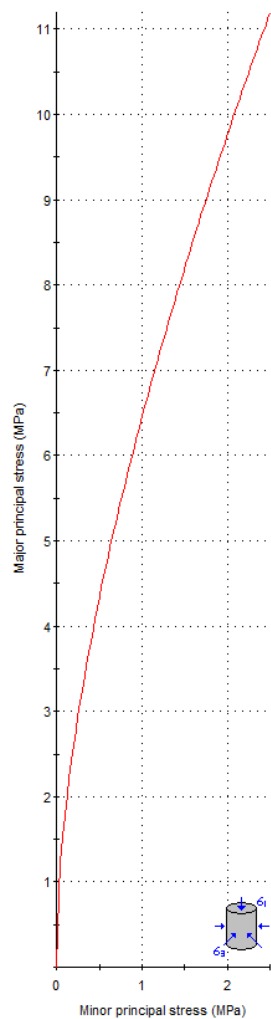
Rock Mass Parameters

tensile strength = -0.001 MPa
 uniaxial compressive strength = 0.136 MPa
 global strength = 1.232 MPa
 modulus of deformation = 1039.44 MPa



GRANODIORIT	GT 5.4	R5-R4	J-108	$C_{ef}=0,576 \text{ MPa}$	$\phi_{ef}=35,73^\circ$	$E_{def}=1689.37 \text{ Mpa}$
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Analysis of Rock Strength using RocLab



Hoek-Brown Classification

intact uniaxial compressive strength = 10 MPa
 GSI = 40 $m_i = 29$ Disturbance factor = 0.1

Hoek-Brown Criterion

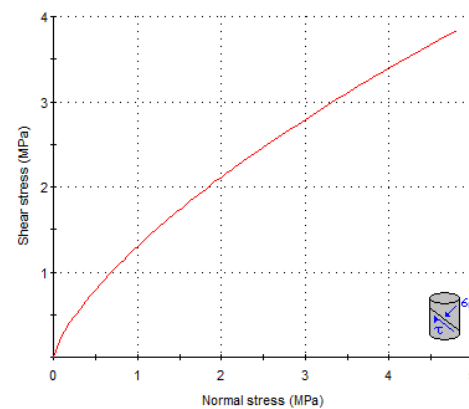
$m_b = 3.039$ $s = 0.0010$ $a = 0.511$

Mohr-Coulomb Fit

cohesion = 0.576 MPa friction angle = 35.73 deg

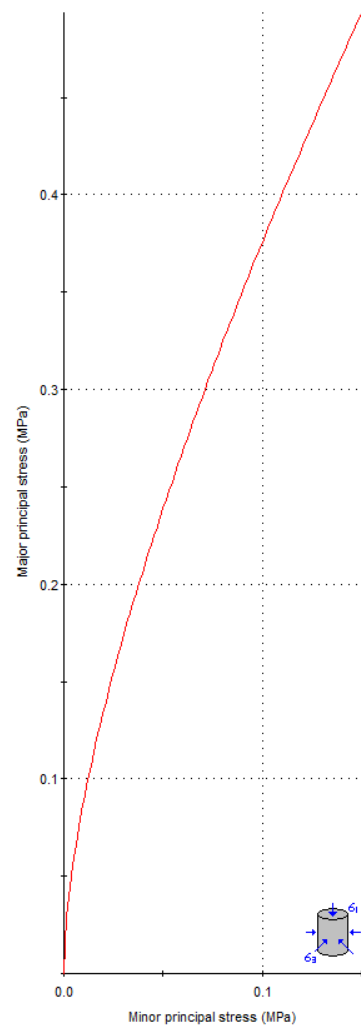
Rock Mass Parameters

tensile strength = -0.003 MPa
 uniaxial compressive strength = 0.294 MPa
 global strength = 2.248 MPa
 modulus of deformation = 1689.37 MPa



GRANODIORIT	GT 5.1	R6	J-109	$C_{ef}=0,023 \text{ MPa}$	$\phi_{ef}=29,17^\circ$	$E_{def}=130,86 \text{ Mpa}$
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Analysis of Rock Strength using RocLab



Hoek-Brown Classification

intact uniaxial compressive strength = 0.6 MPa
 GSI = 20 $m_i = 29$ Disturbance factor = 0.1

Hoek-Brown Criterion

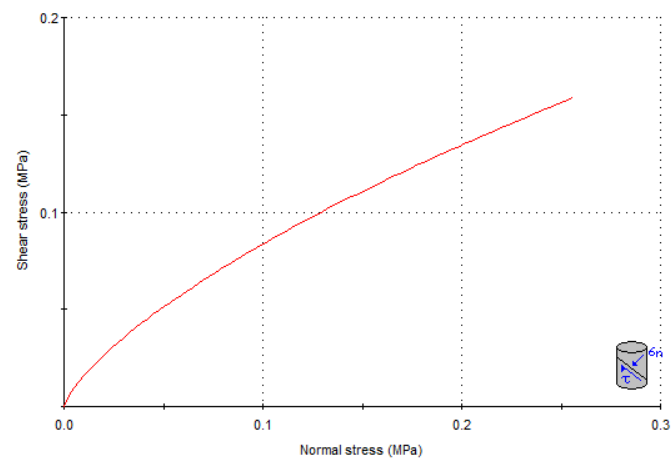
$m_b = 1.433$ $s = 0.0001$ $a = 0.544$

Mohr-Coulomb Fit

cohesion = 0.023 MPa friction angle = 29.17 deg

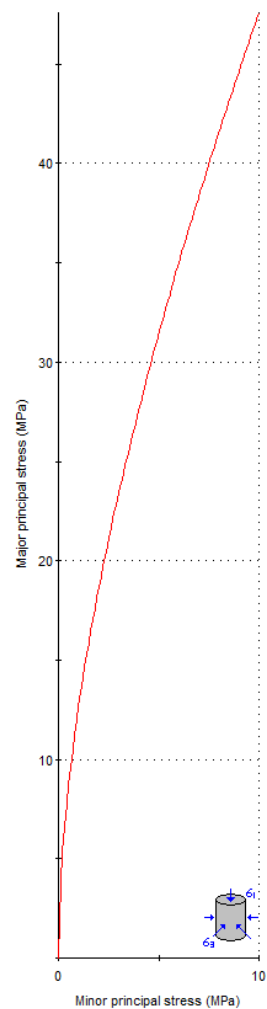
Rock Mass Parameters

tensile strength = -4.25e-5 MPa
 uniaxial compressive strength = 0.004 MPa
 global strength = 0.080 MPa
 modulus of deformation = 130.86 MPa



GRANODIORIT	GT 5.5	R3	J-111	$C_{ef}=2,446 \text{ MPa}$	$\phi_{ef}=37,01^\circ$	$E_{def}=4253,57 \text{ Mpa}$
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Analysis of Rock Strength using RocLab



Hoek-Brown Classification

intact uniaxial compressive strength = 40 MPa
 GSI = 44 $m_i = 29$ Disturbance factor = 0.1

Hoek-Brown Criterion

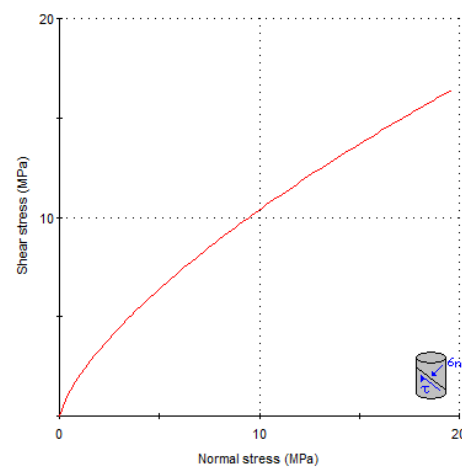
$m_b = 3.533$ $s = 0.0016$ $a = 0.509$

Mohr-Coulomb Fit

cohesion = 2.446 MPa friction angle = 37.01 deg

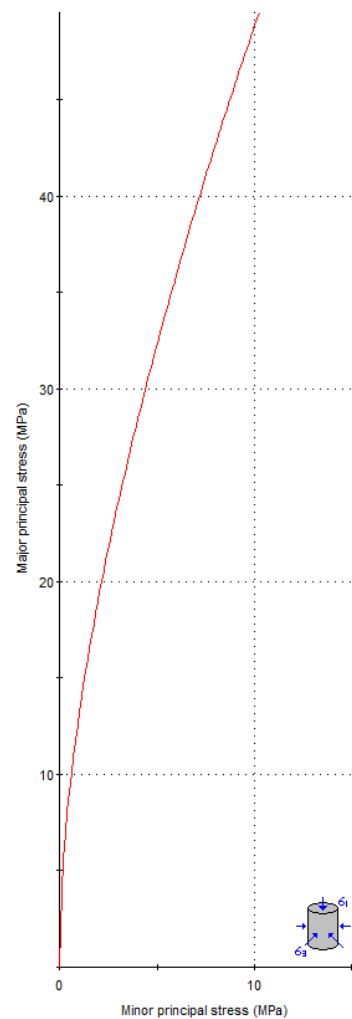
Rock Mass Parameters

tensile strength = -0.018 MPa
 uniaxial compressive strength = 1.514 MPa
 global strength = 9.814 MPa
 modulus of deformation = 4253.57 MPa



GRANODIORIT	GT 5.5	R3	J-112	$C_{ef}=2,543 \text{ MPa}$	$\phi_{ef}=37,33^\circ$	$E_{def}=4561,58 \text{ Mpa}$
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Analysis of Rock Strength using RocLab



Hoek-Brown Classification

intact uniaxial compressive strength = 41 MPa
 GSI = 45 $m_i = 29$ Disturbance factor = 0.1

Hoek-Brown Criterion

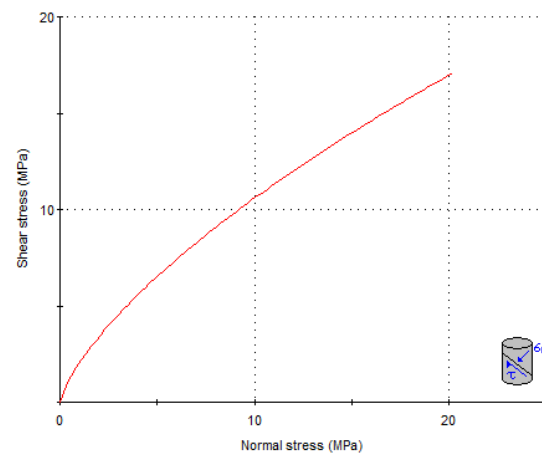
$m_b = 3.668$ $s = 0.0018$ $a = 0.508$

Mohr-Coulomb Fit

cohesion = 2.543 MPa friction angle = 37.33 deg

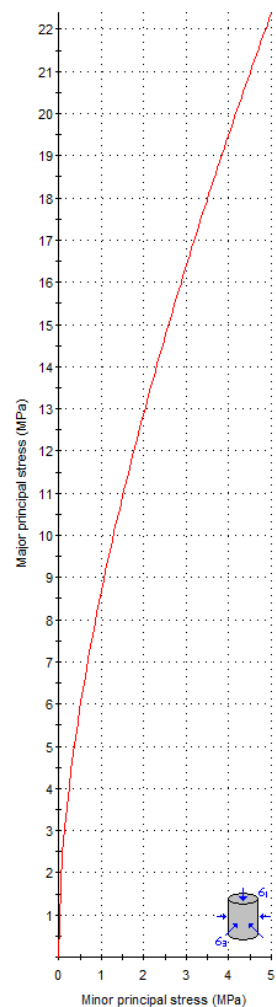
Rock Mass Parameters

tensile strength = -0.020 MPa
 uniaxial compressive strength = 1.651 MPa
 global strength = 10.277 MPa
 modulus of deformation = 4561.58 MPa



GRANODIORIT	GT 5.4	R4	J-113	$C_{ef}=1,152 \text{ MPa}$	$\phi_{ef}=35,73^\circ$	$E_{def}=2389,12 \text{ Mpa}$
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Analysis of Rock Strength using RocLab



Hoek-Brown Classification

intact uniaxial compressive strength = 20 MPa
 GSI = 40 $m_i = 29$ Disturbance factor = 0.1

Hoek-Brown Criterion

$m_b = 3.039$ $s = 0.0010$ $a = 0.511$

Mohr-Coulomb Fit

cohesion = 1.152 MPa friction angle = 35.73 deg

Rock Mass Parameters

tensile strength = -0.007 MPa
 uniaxial compressive strength = 0.588 MPa
 global strength = 4.496 MPa
 modulus of deformation = 2389.12 MPa

