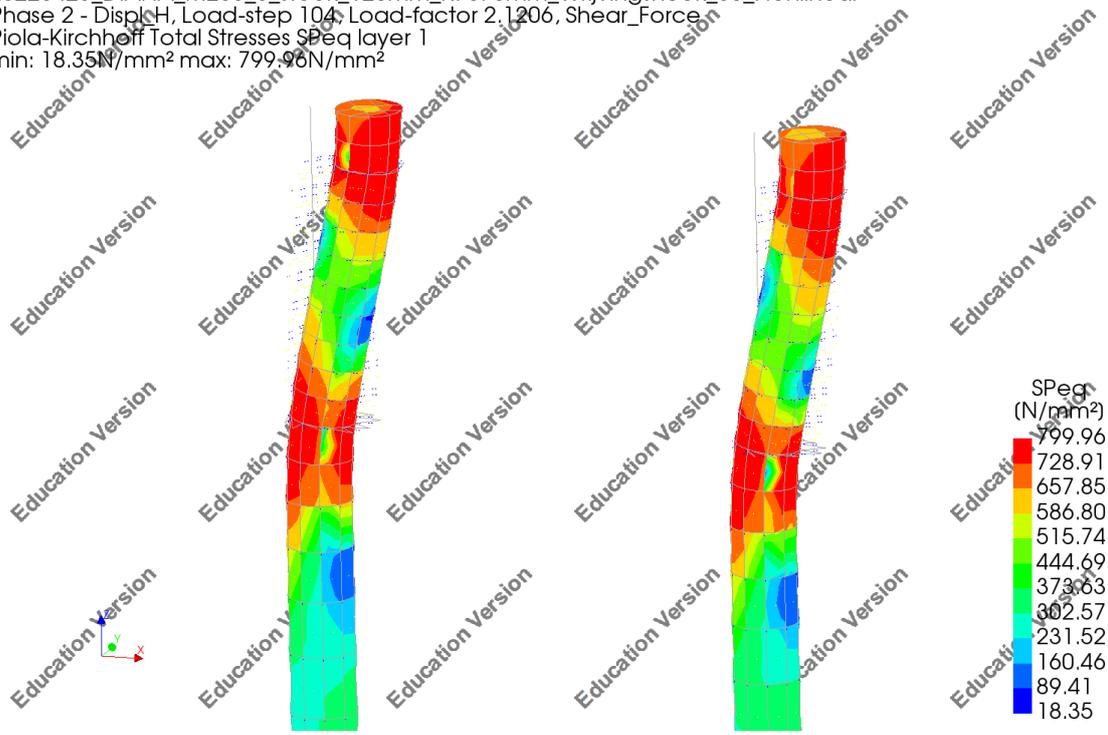
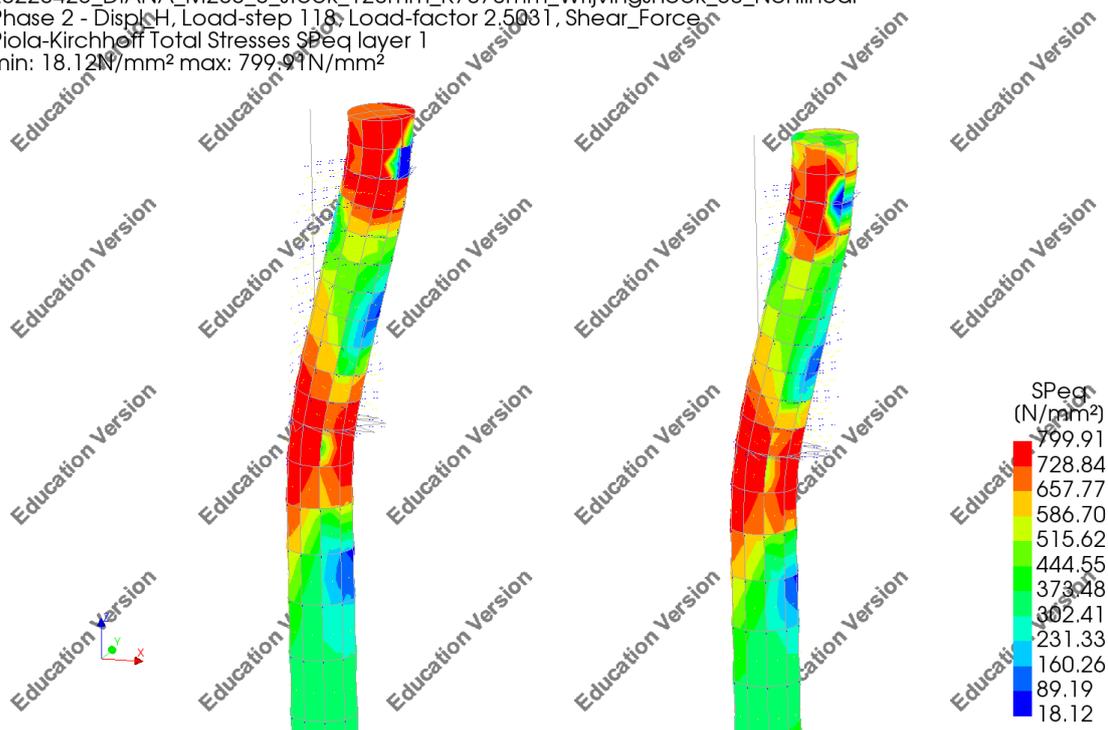


20220423_DIANA_M208_8_steek_120mm_K7070mm_Wrijvingshoek_30_Nonlinear
Phase 2 - Displ_H, Load-step 104, Load-factor 2.1206, Shear_Force
Piola-Kirchhoff Total Stresses SPEq layer 1
min: 18.35N/mm² max: 799.96N/mm²



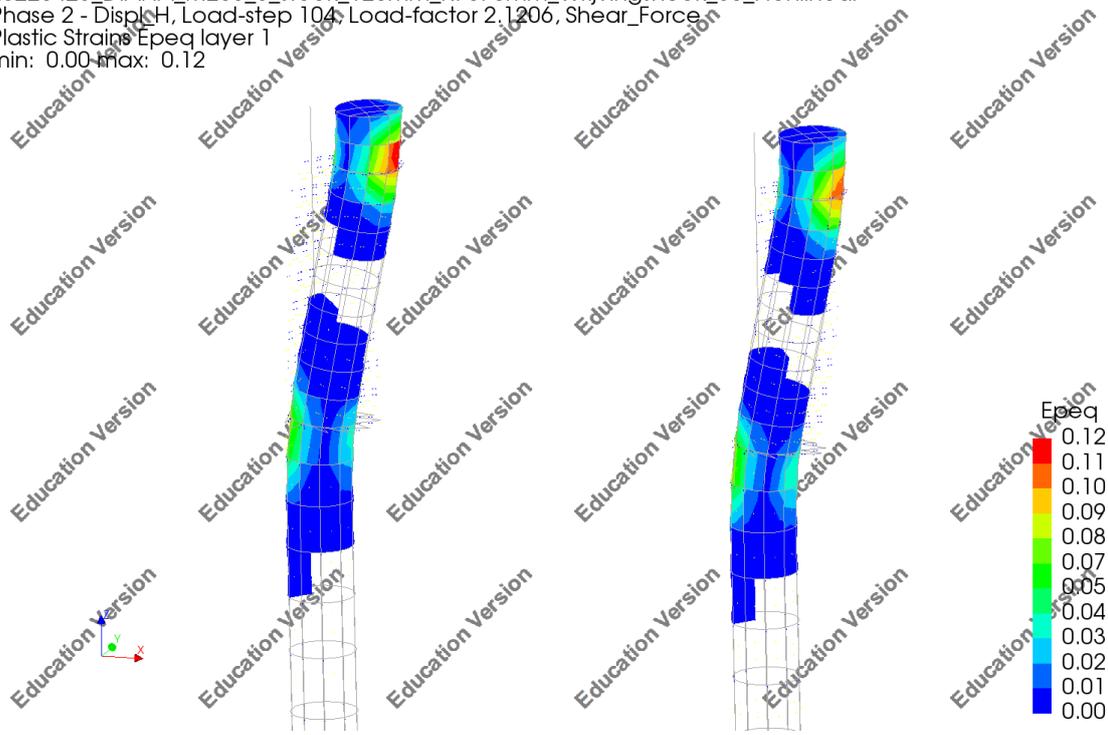
Piola-Kirchhoff Total Stresses SPEq at Phase 2 - Displ_H, Load-step 104, Load-factor 2.1206, Shear_Force

20220423_DIANA_M208_8_steek_120mm_K7070mm_Wrijvingshoek_30_Nonlinear
Phase 2 - Displ_H, Load-step 118, Load-factor 2.5031, Shear_Force
Piola-Kirchhoff Total Stresses SPEq layer 1
min: 18.12N/mm² max: 799.91N/mm²



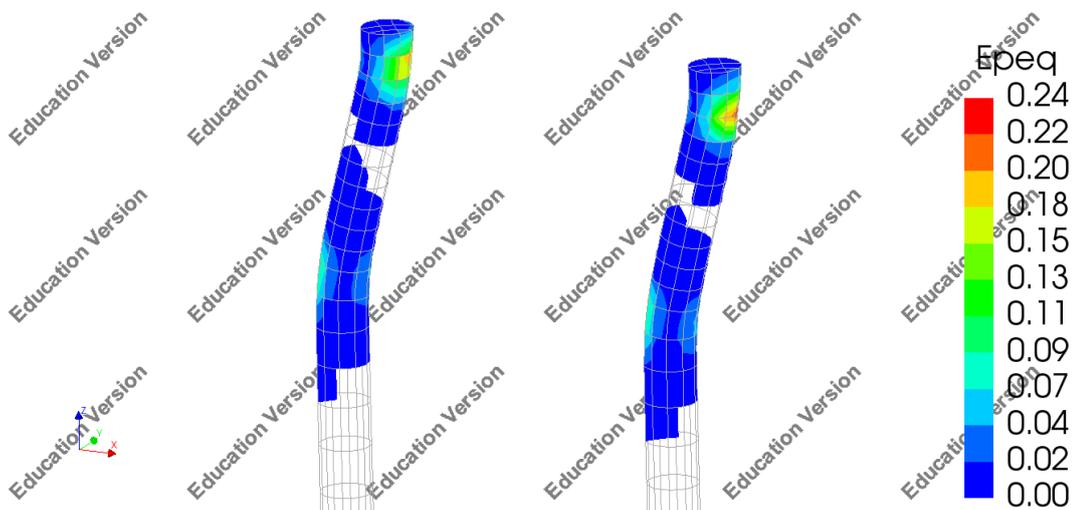
Piola-Kirchhoff Total Stresses SPEq at Phase 2 - Displ_H, Load-step 118, Load-factor 2.5031, Shear_Force

20220423_DIANA_M208_8_steek_120mm_K7070mm_Wrijvingshoek_30_Nonlinear
Phase 2 - Displ_H, Load-step 104, Load-factor 2.1206, Shear_Force
Plastic Strains Epeq layer 1
min: 0.00 max: 0.12



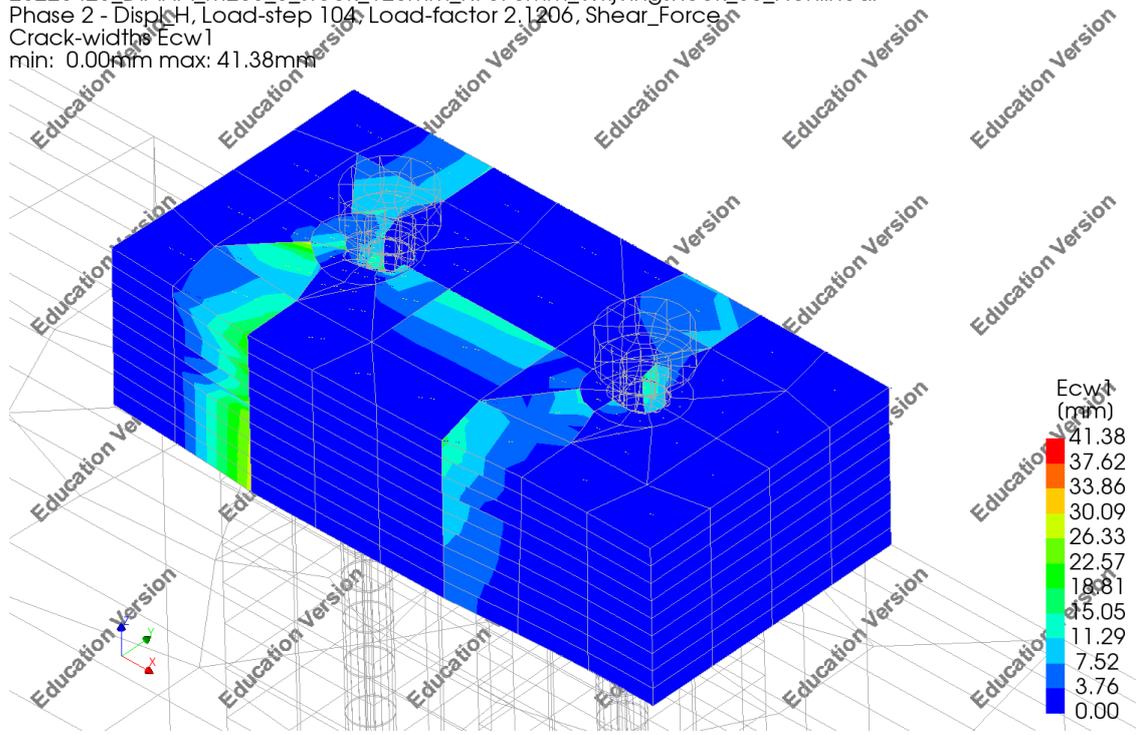
Plastic Strains Epeq at Phase 2 - Displ_H, Load-step 104, Load-factor 2.1206, Shear_Force

20220423_DIANA_M208_8_steek_120mm_K7070mm_Wrijvingshoek_30_N
Phase 2 - Displ_H, Load-step 118, Load-factor 2.5031, Shear_Force
Plastic Strains Epeq layer 1
min: 0.00 max: 0.24



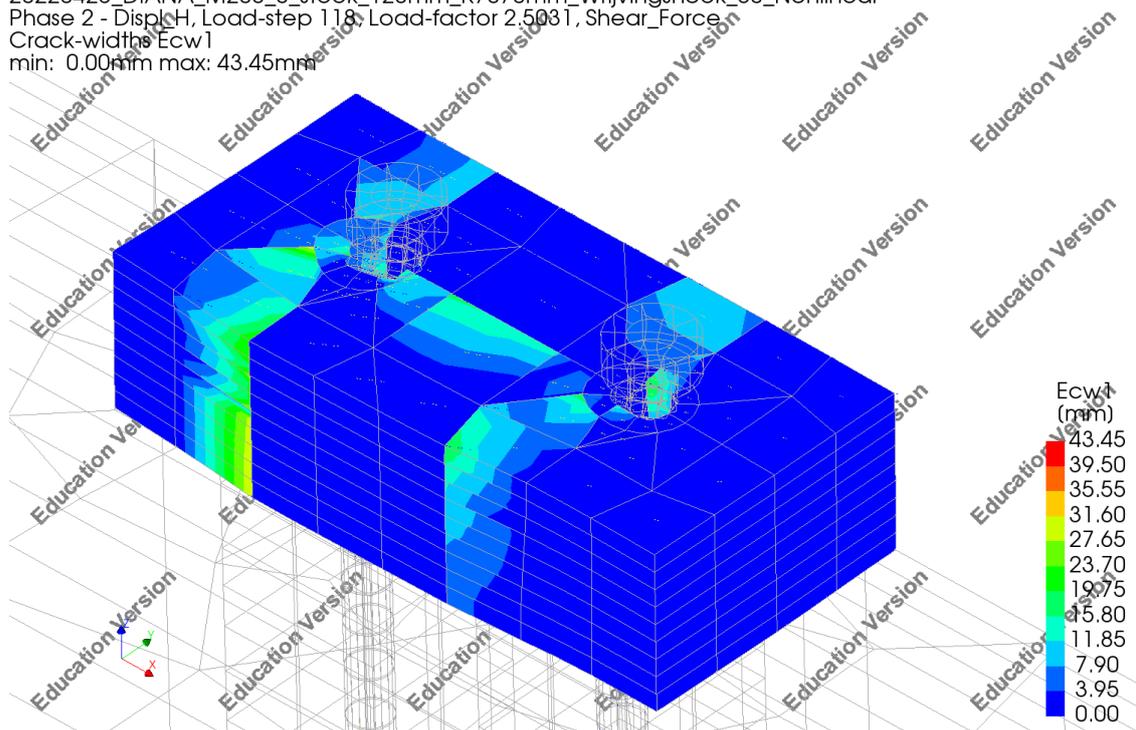
Plastic Strains Epeq at Phase 2 - Displ_H, Load-step 118, Load-factor 2.5031, Shear_Force

20220423_DIANA_M208_8_steek_120mm_K7070mm_Wrijvingshoek_30_Nonlinear
 Phase 2 - Displ_H, Load-step 104, Load-factor 2.1206, Shear_Force
 Crack-widths Ecw1
 min: 0.00mm max: 41.38mm



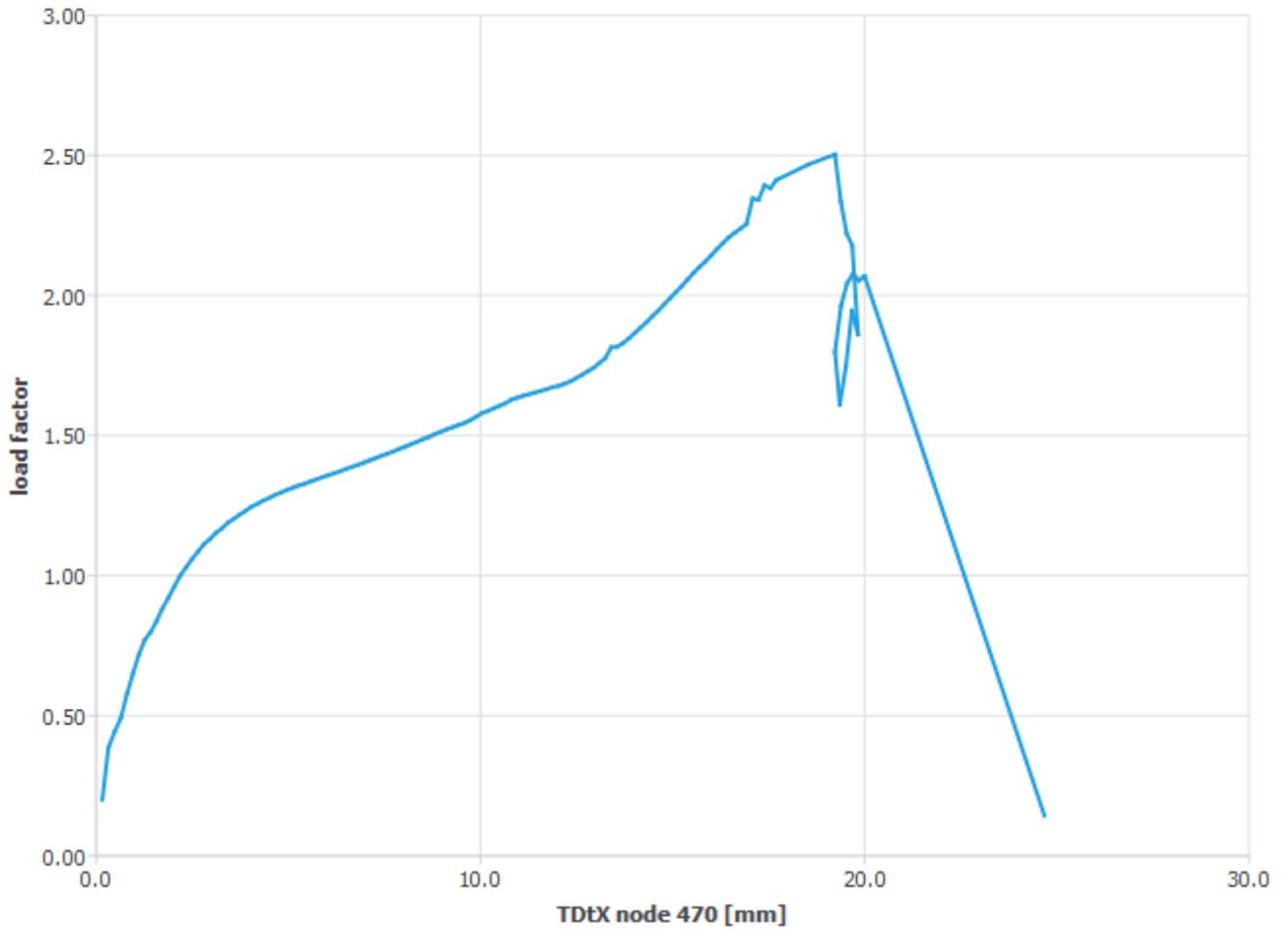
Crack-widths Ecw1 at Phase 2 - Displ_H, Load-step 104, Load-factor 2.1206, Shear_Force

20220423_DIANA_M208_8_steek_120mm_K7070mm_Wrijvingshoek_30_Nonlinear
 Phase 2 - Displ_H, Load-step 118, Load-factor 2.5031, Shear_Force
 Crack-widths Ecw1
 min: 0.00mm max: 43.45mm



Crack-widths Ecw1 at Phase 2 - Displ_H, Load-step 118, Load-factor 2.5031, Shear_Force

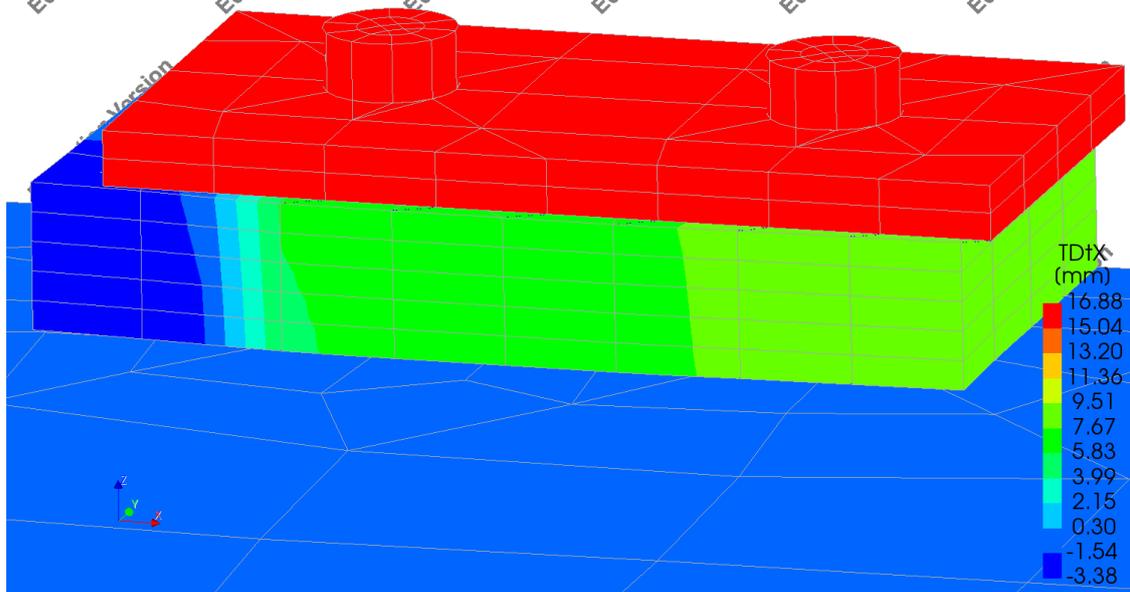
Displacements - TDtX node 470
min=0.158645mm
max=24.6761mm



Stress-strain diagram top of base-plate

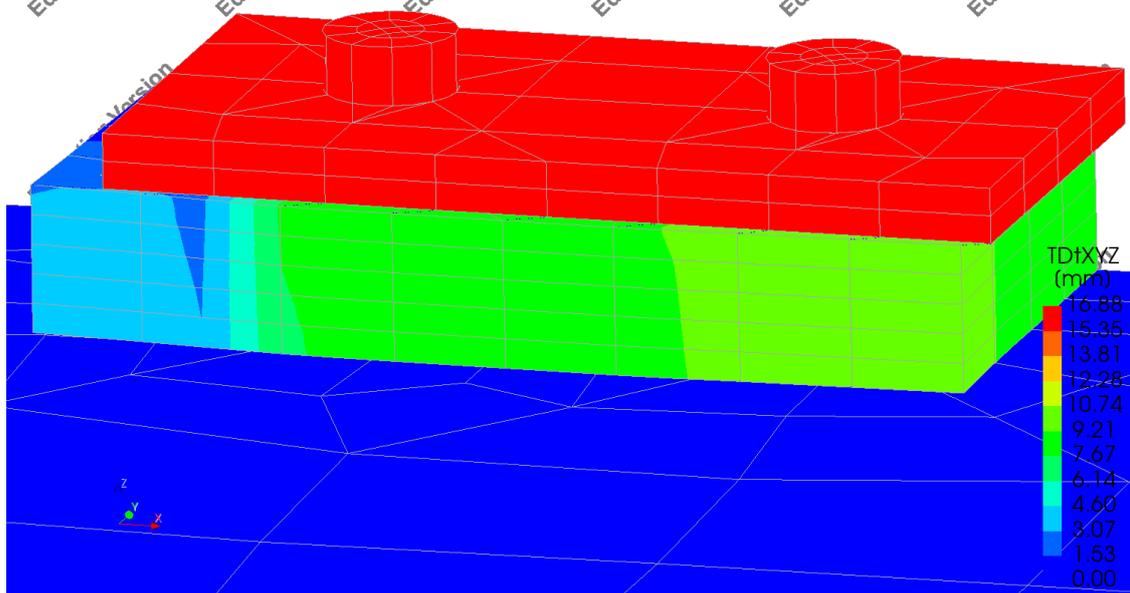
5.4.2. M20 4.6 K70 40 mm stelruimte

20220504_DIANA_M204_6_steek_120mm_K7040mm_Wrijvingshoek_30_no_Nonlinear
 Phase 2 - Displ_H, Load-step 90, Load-factor 1.4086, Shear_Force
 Displacements TDtX
 min: -3.38mm max: 16.88mm



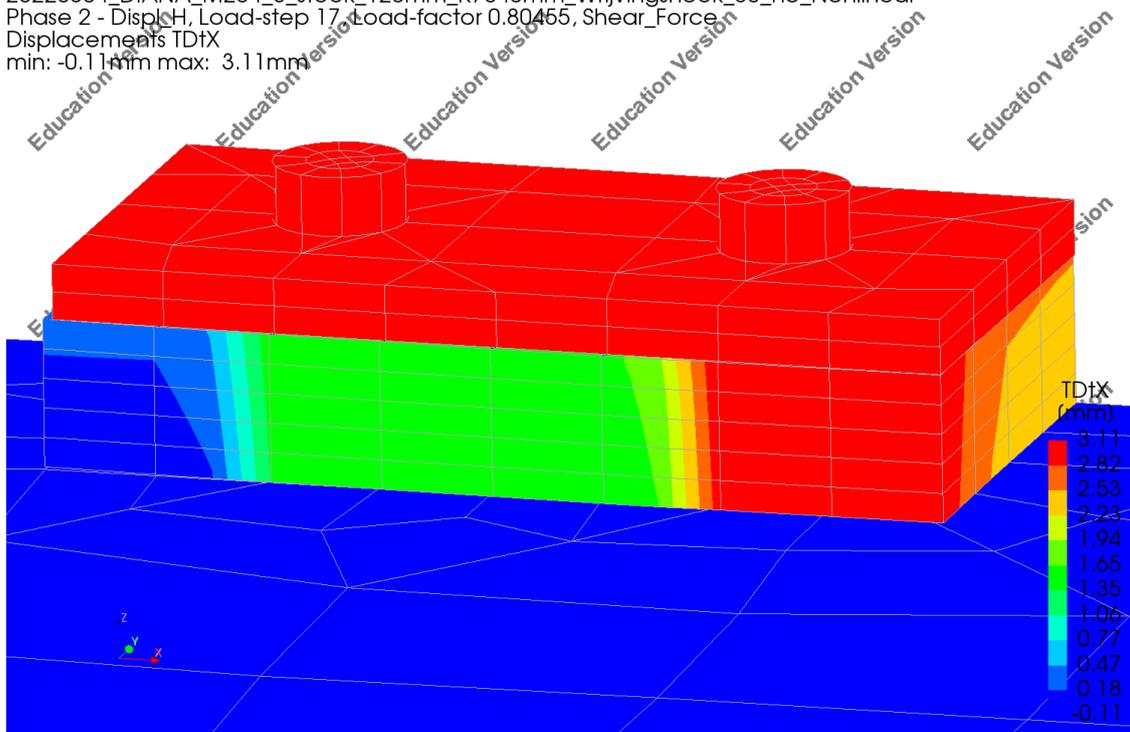
Displacements TDtX at Phase 2 - Displ_H, Load-step 90, Load-factor 1.4086, Shear_Force

20220504_DIANA_M204_6_steek_120mm_K7040mm_Wrijvingshoek_30_no_Nonlinear
 Phase 2 - Displ_H, Load-step 90, Load-factor 1.4086, Shear_Force
 Displacements TDtXYZ
 min: 0.00mm max: 16.88mm



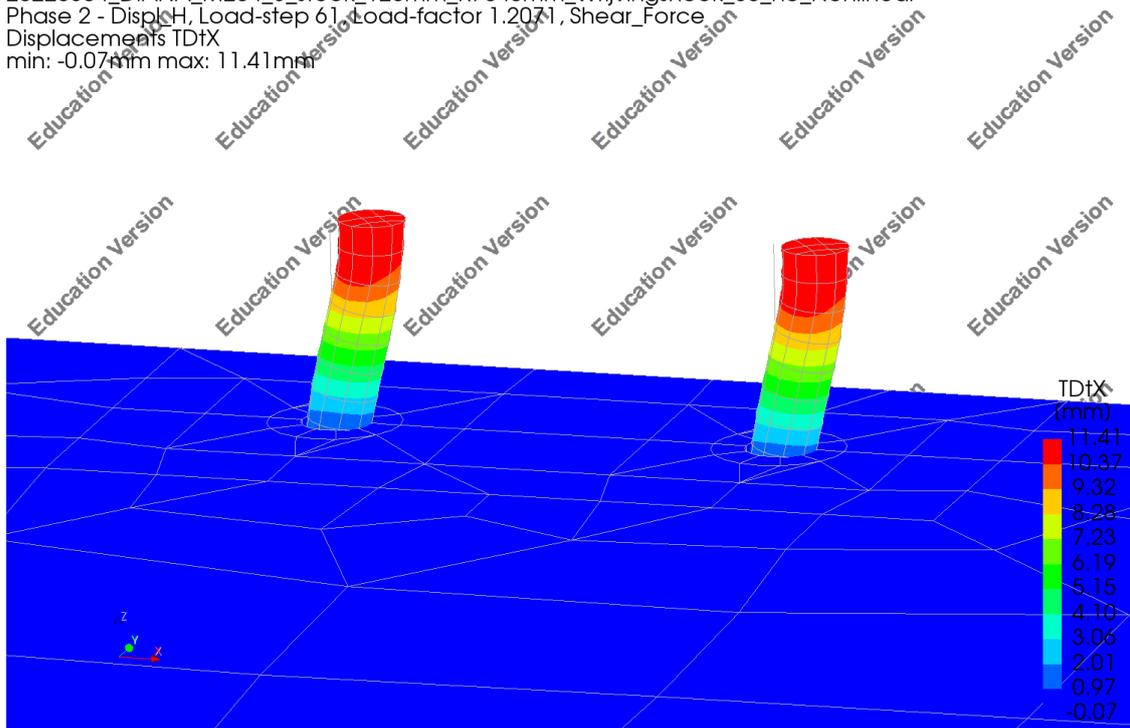
Displacements TDtXYZ at Phase 2 - Displ_H, Load-step 90, Load-factor 1.4086, Shear_Force

20220504_DIANA_M204_6_steek_120mm_K7040mm_Wrijvingshoek_30_no_Nonlinear
 Phase 2 - Displ_H, Load-step 17, Load-factor 0.80455, Shear_Force
 Displacements TDtX
 min: -0.11mm max: 3.11mm



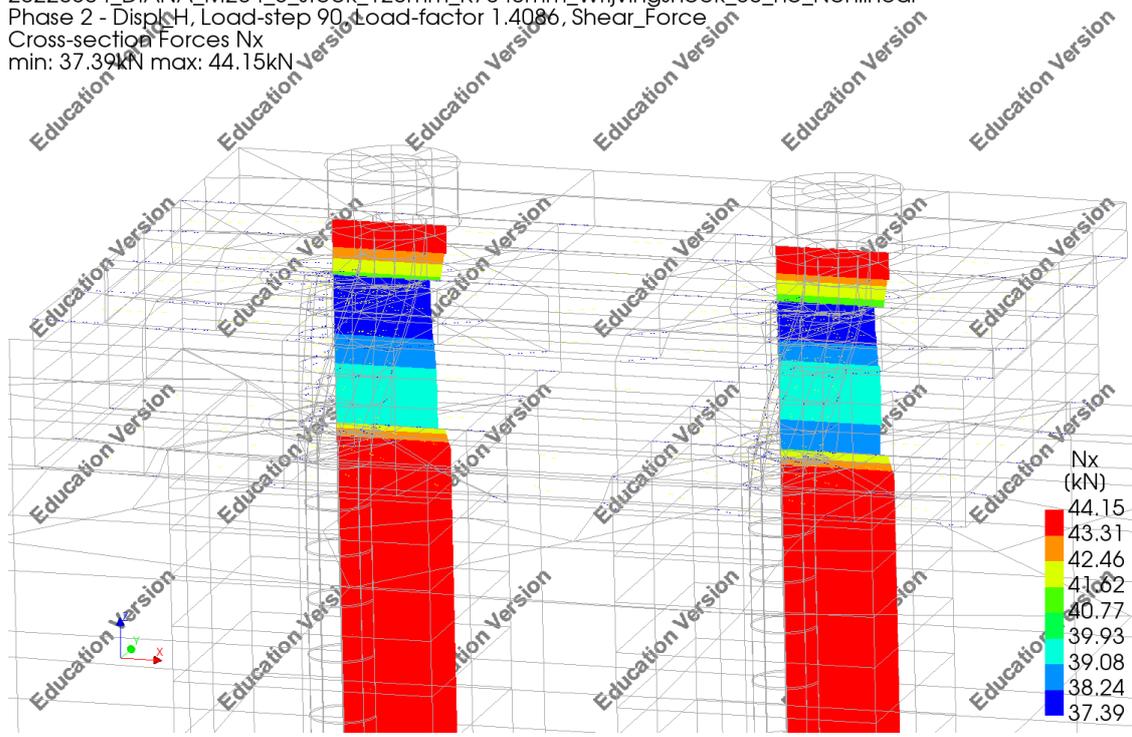
Displacements TDtX at Phase 2 - Displ_H, Load-step 17, Load-factor 0.80455, Shear_Force

20220504_DIANA_M204_6_steek_120mm_K7040mm_Wrijvingshoek_30_no_Nonlinear
 Phase 2 - Displ_H, Load-step 61, Load-factor 1.2071, Shear_Force
 Displacements TDtX
 min: -0.07mm max: 11.41mm



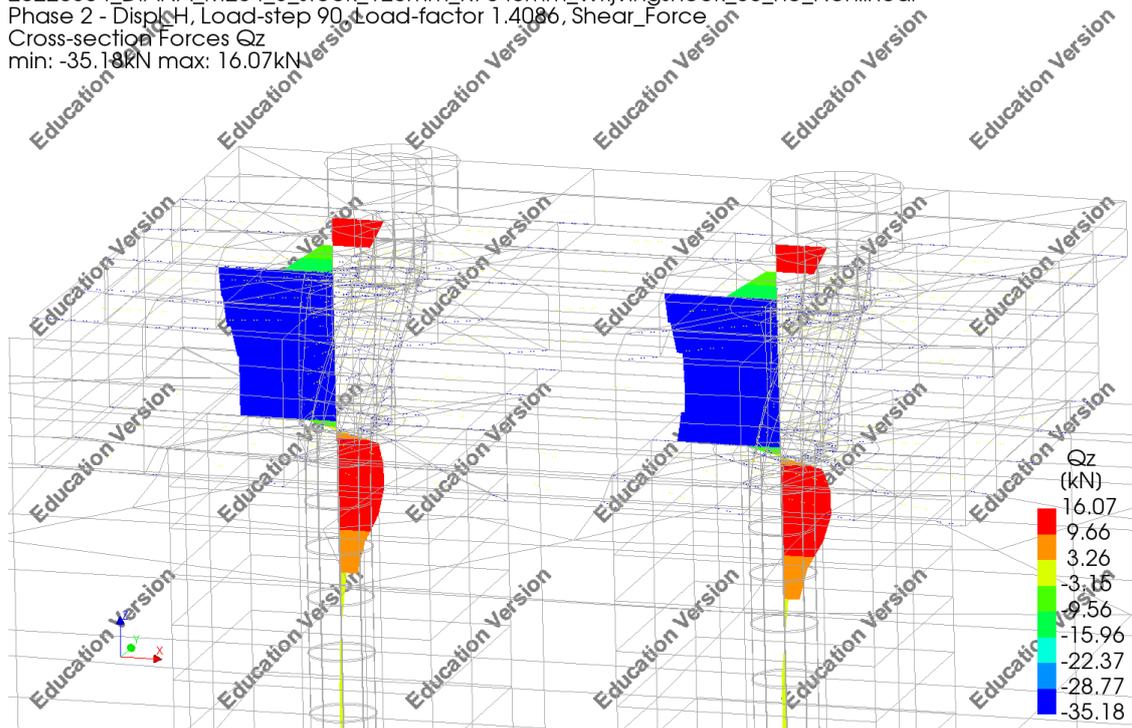
Displacements TDtX at Phase 2 - Displ_H, Load-step 61, Load-factor 1.2071, Shear_Force

20220504_DIANA_M204_6_steek_120mm_K7040mm_Wrijvingshoek_30_no_Nonlinear
 Phase 2 - Displ_H, Load-step 90, Load-factor 1.4086, Shear_Force
 Cross-section Forces Nx
 min: 37.39kN max: 44.15kN



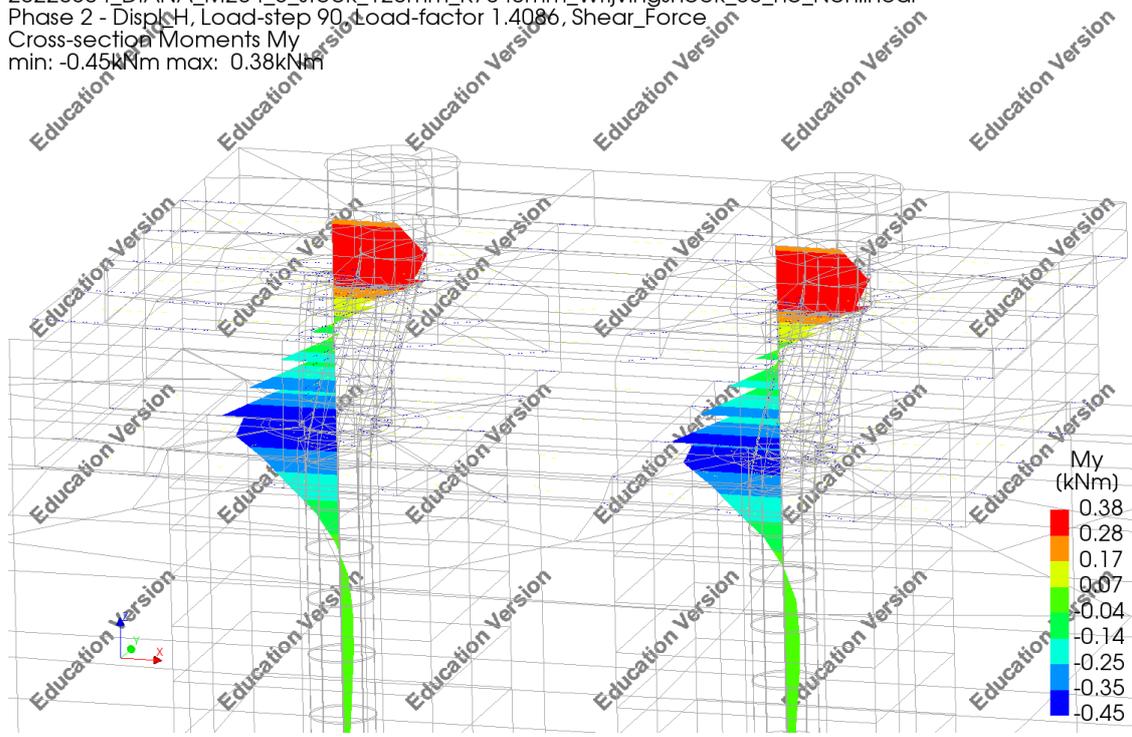
Cross-section Forces Nx at Phase 2 - Displ_H, Load-step 90, Load-factor 1.4086, Shear_Force

20220504_DIANA_M204_6_steek_120mm_K7040mm_Wrijvingshoek_30_no_Nonlinear
 Phase 2 - Displ_H, Load-step 90, Load-factor 1.4086, Shear_Force
 Cross-section Forces Qz
 min: -35.18kN max: 16.07kN



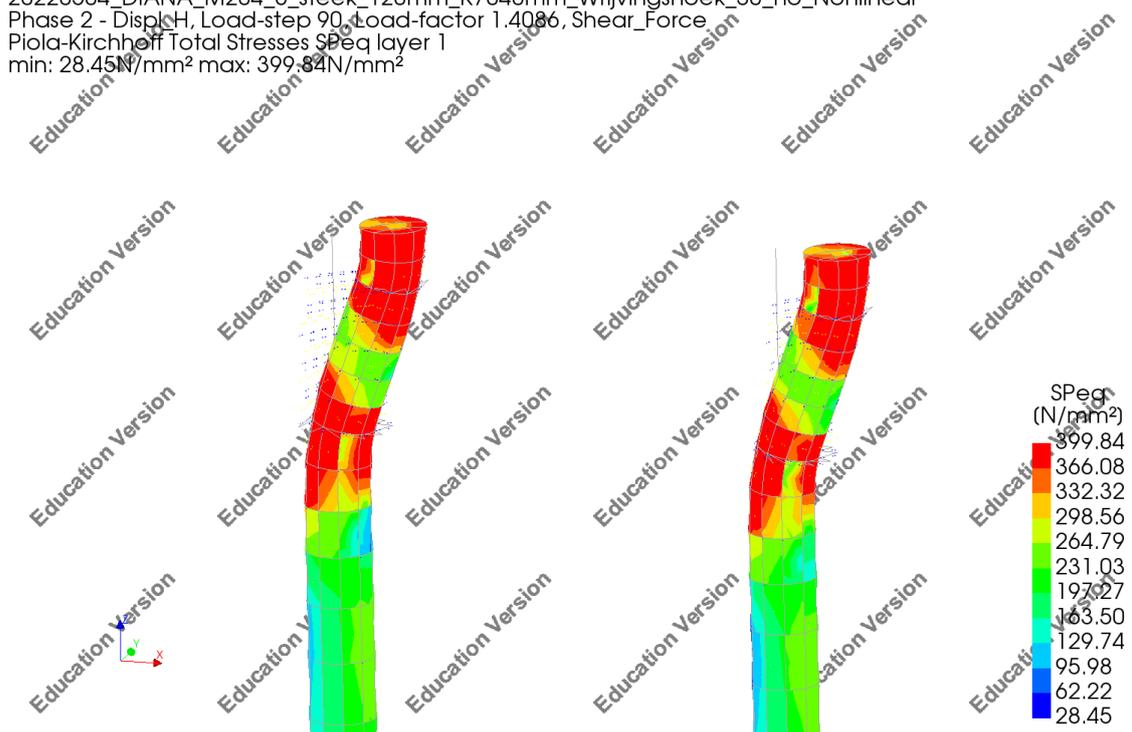
Cross-section Forces Qz at Phase 2 - Displ_H, Load-step 90, Load-factor 1.4086, Shear_Force

20220504_DIANA_M204_6_steek_120mm_K7040mm_Wrijvingshoek_30_no_Nonlinear
 Phase 2 - Displ_H, Load-step 90, Load-factor 1.4086, Shear_Force
 Cross-section Moments My



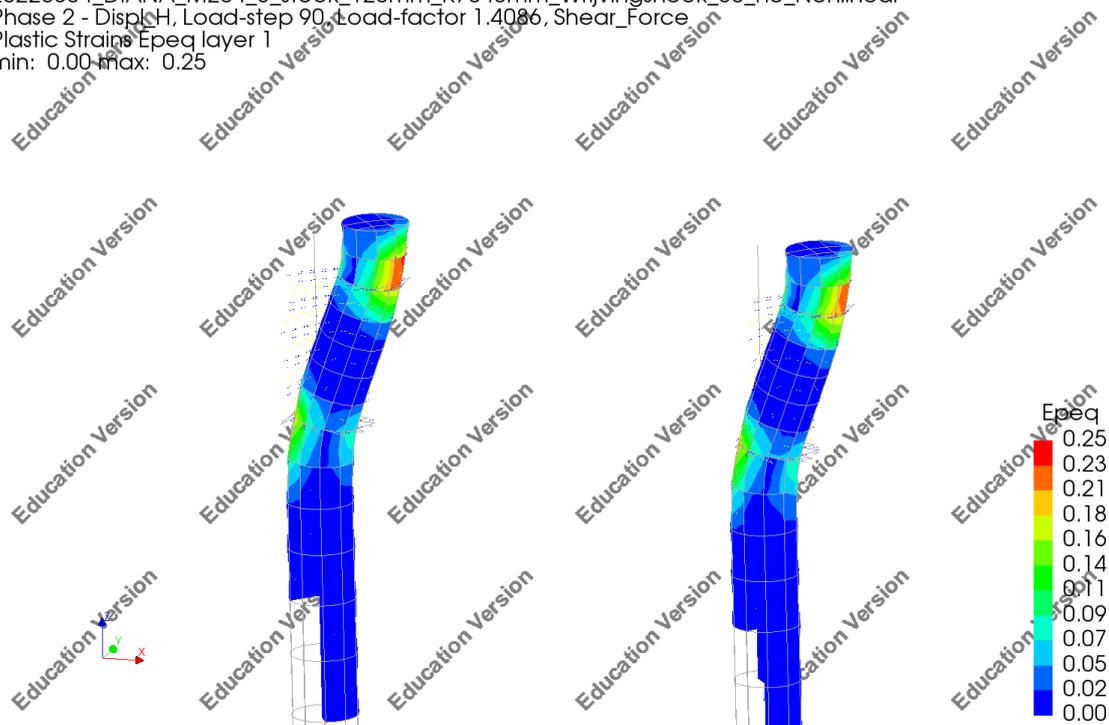
Cross-section Moments My at Phase 2 - Displ_H, Load-step 90, Load-factor 1.4086, Shear_Force

20220504_DIANA_M204_6_steek_120mm_K7040mm_Wrijvingshoek_30_no_Nonlinear
 Phase 2 - Displ_H, Load-step 90, Load-factor 1.4086, Shear_Force
 Piola-Kirchhoff Total Stresses SPEq layer 1



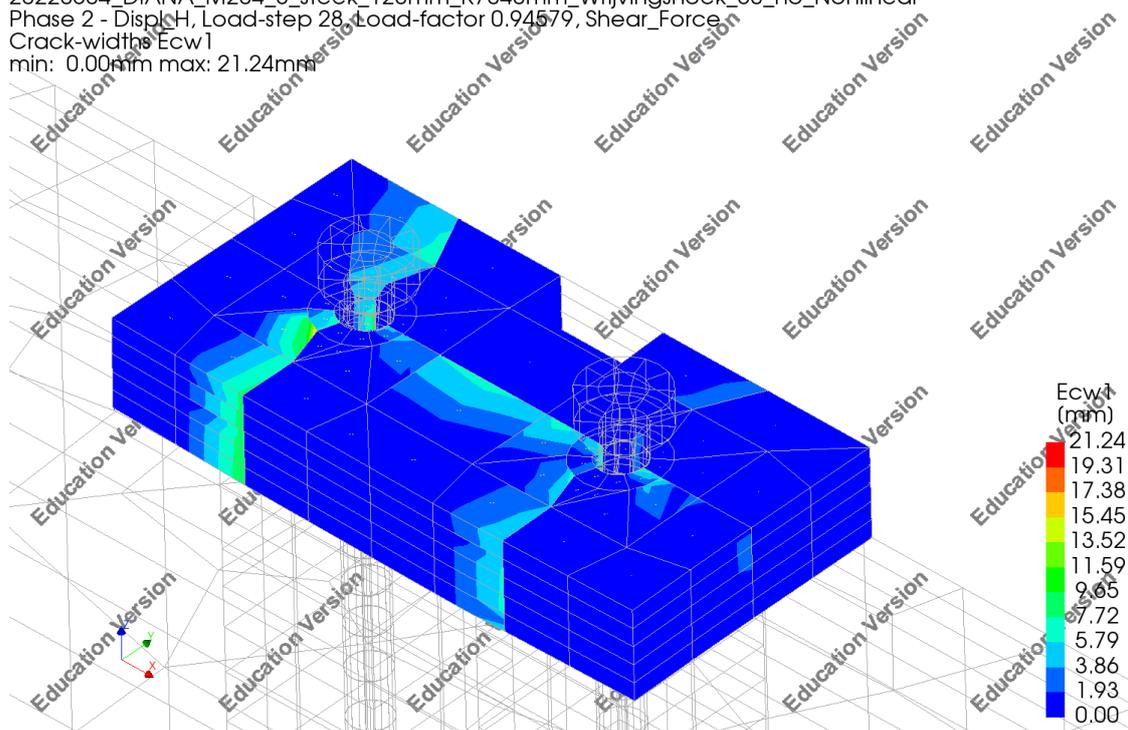
Piola-Kirchhoff Total Stresses SPEq at Phase 2 - Displ_H, Load-step 90, Load-factor 1.4086, Shear_Force

20220504_DIANA_M204_6_steek_120mm_K7040mm_Wrijvingshoek_30_no_Nonlinear
Phase 2 - Displ_H, Load-step 90, Load-factor 1.4086, Shear_Force
Plastic Strains Epeq layer 1
min: 0.00 max: 0.25

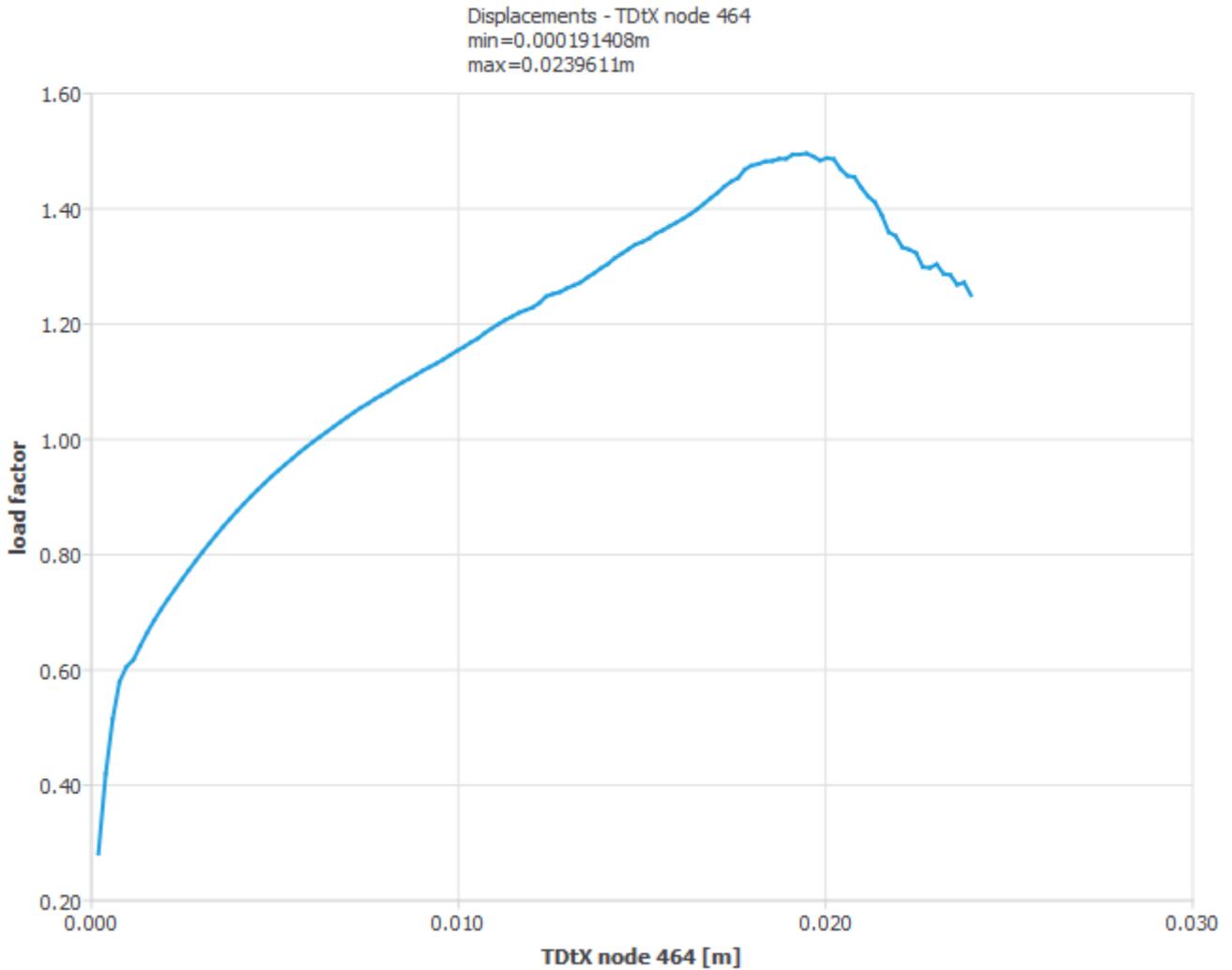


Plastic Strains Epeq at Phase 2 - Displ_H, Load-step 90, Load-factor 1.4086, Shear_Force

20220504_DIANA_M204_6_steek_120mm_K7040mm_Wrijvingshoek_30_no_Nonlinear
Phase 2 - Displ_H, Load-step 28, Load-factor 0.94579, Shear_Force
Crack-widths Ecw1
min: 0.00mm max: 21.24mm



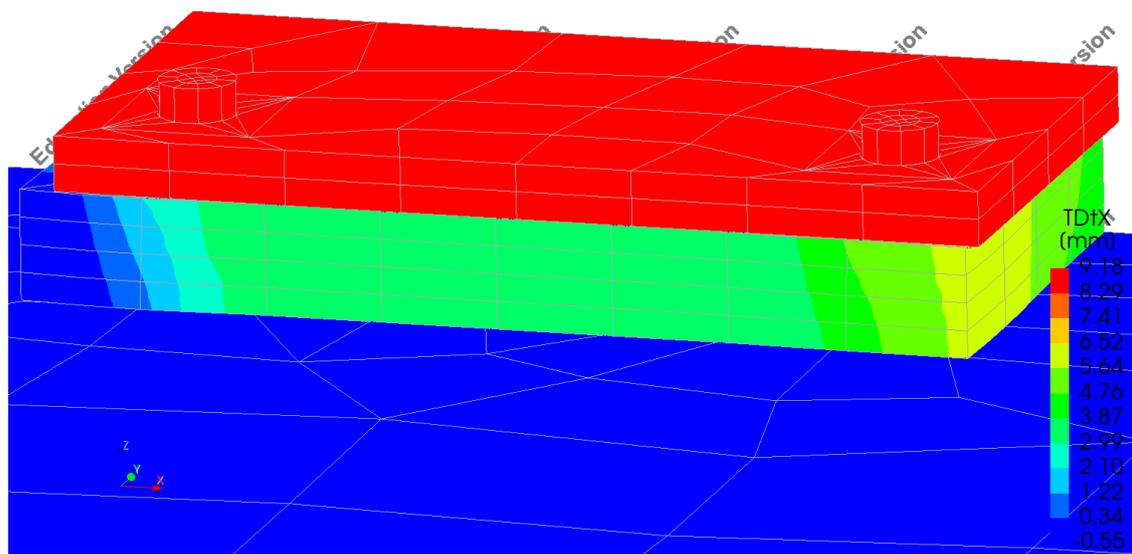
Crack-widths Ecw1 at Phase 2 - Displ_H, Load-step 28, Load-factor 0.94579, Shear_Force



Stress-strain diagram top of base-plate

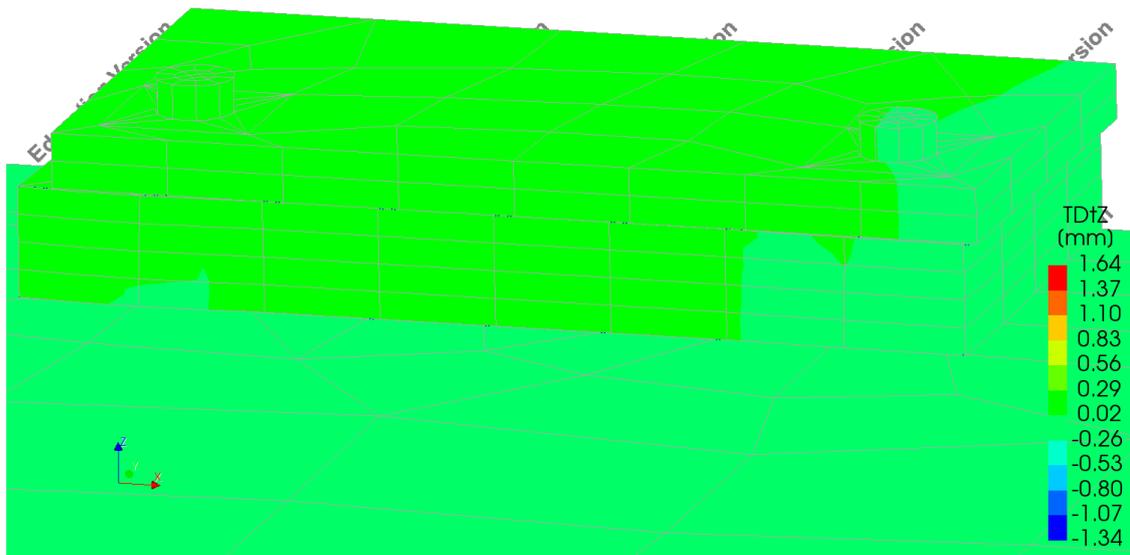
5.4.3. M12 8.8 K70 steek 190 30 mm stelruimte

20220503_DIANA_M128_8_steek_190mm_K7030mm_Wrijvingshoek_30_Nonlinear
Phase 2 - Displ_H, Load-step 39, Load-factor 0.69936, Shear_Force
Displacements TDtX
min: -0.55mm max: 9.18mm



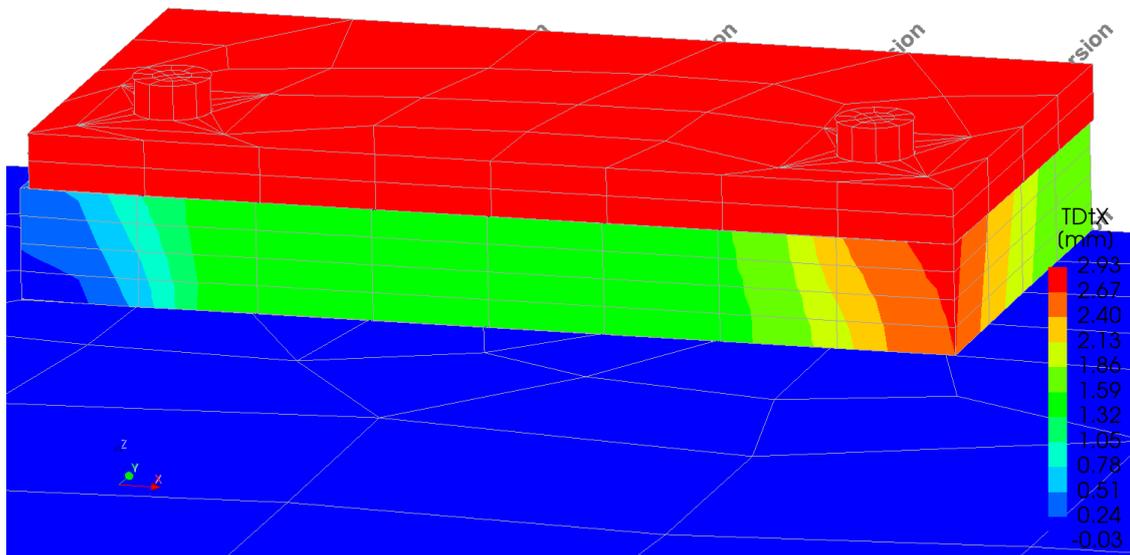
Displacements TDtX at Phase 2 - Displ_H, Load-step 39, Load-factor 0.69936, Shear_Force

20220503_DIANA_M128_8_steek_190mm_K7030mm_Wrijvingshoek_30_Nonlinear
 Phase 2 - Displ_H, Load-step 39, Load-factor 0.69936, Shear_Force
 Displacements TDtZ
 min: -1.34mm max: 1.64mm



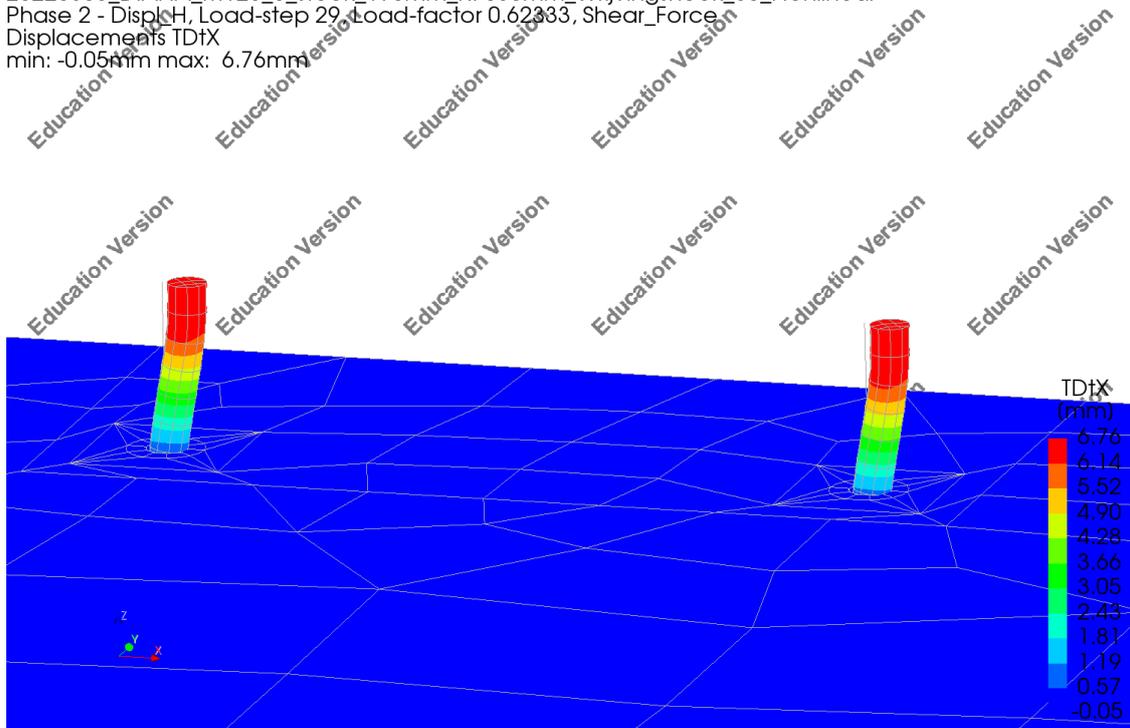
Displacements TDtZ at Phase 2 - Displ_H, Load-step 39, Load-factor 0.69936, Shear_Force

20220503_DIANA_M128_8_steek_190mm_K7030mm_Wrijvingshoek_30_Nonlinear
 Phase 2 - Displ_H, Load-step 13, Load-factor 0.48520, Shear_Force
 Displacements TDtX
 min: -0.03mm max: 2.93mm



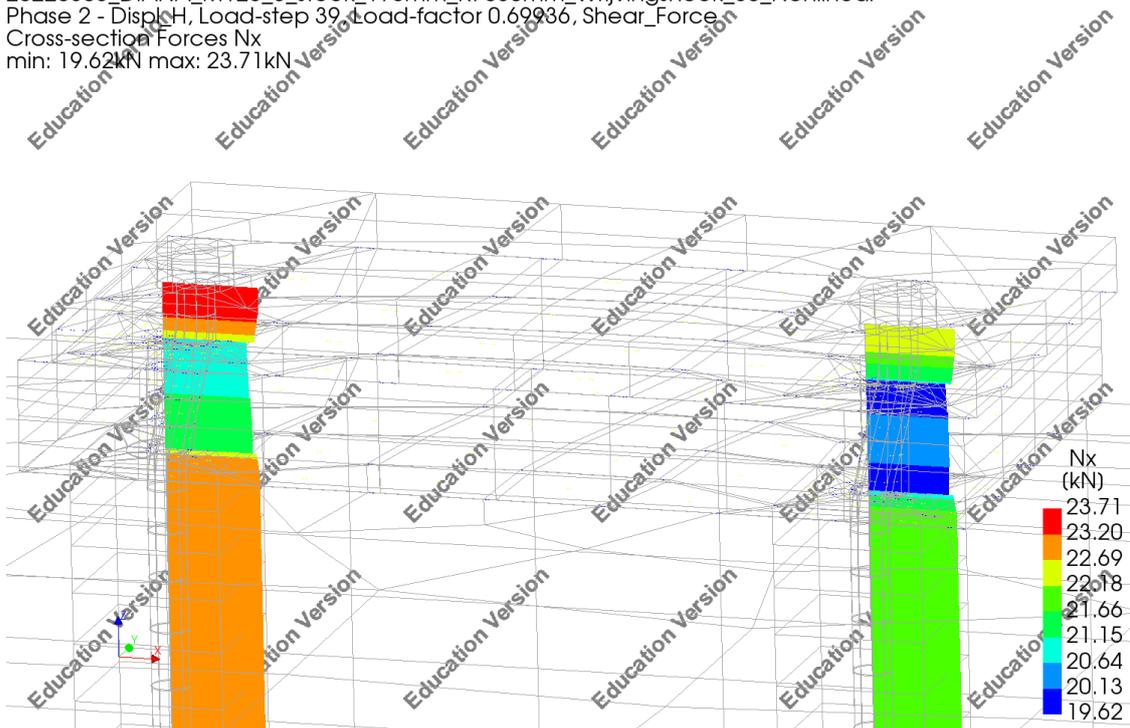
Displacements TDtX at Phase 2 - Displ_H, Load-step 13, Load-factor 0.48520, Shear_Force

20220503_DIANA_M128_8_steek_190mm_K7030mm_Wrijvingshoek_30_Nonlinear
Phase 2 - Displ_H, Load-step 29, Load-factor 0.62333, Shear_Force
Displacements TDtX
min: -0.05mm max: 6.76mm



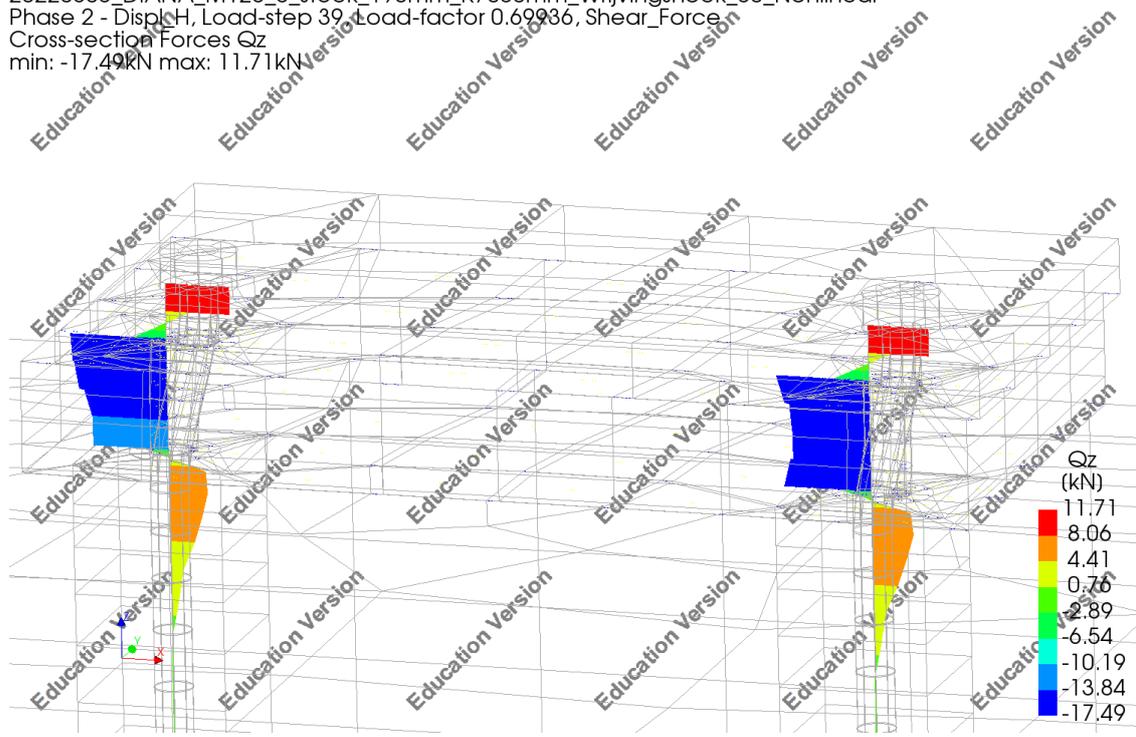
Displacements TDtX at Phase 2 - Displ_H, Load-step 29, Load-factor 0.62333, Shear_Force

20220503_DIANA_M128_8_steek_190mm_K7030mm_Wrijvingshoek_30_Nonlinear
Phase 2 - Displ_H, Load-step 39, Load-factor 0.69936, Shear_Force
Cross-section Forces Nx
min: 19.62kN max: 23.71kN



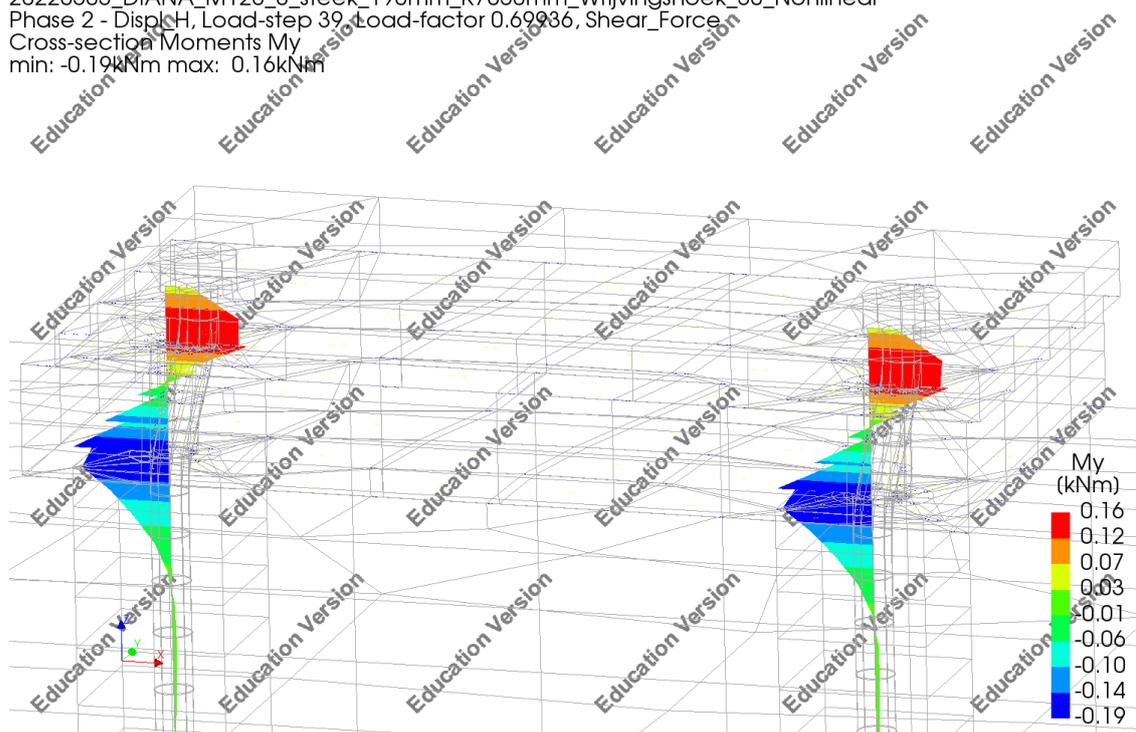
Cross-section Forces Nx at Phase 2 - Displ_H, Load-step 39, Load-factor 0.69936, Shear_Force

20220503_DIANA_M128_8_steek_190mm_K7030mm_Wrijvingshoek_30_Nonlinear
 Phase 2 - Displ_H, Load-step 39, Load-factor 0.69936, Shear_Force
 Cross-section Forces Qz



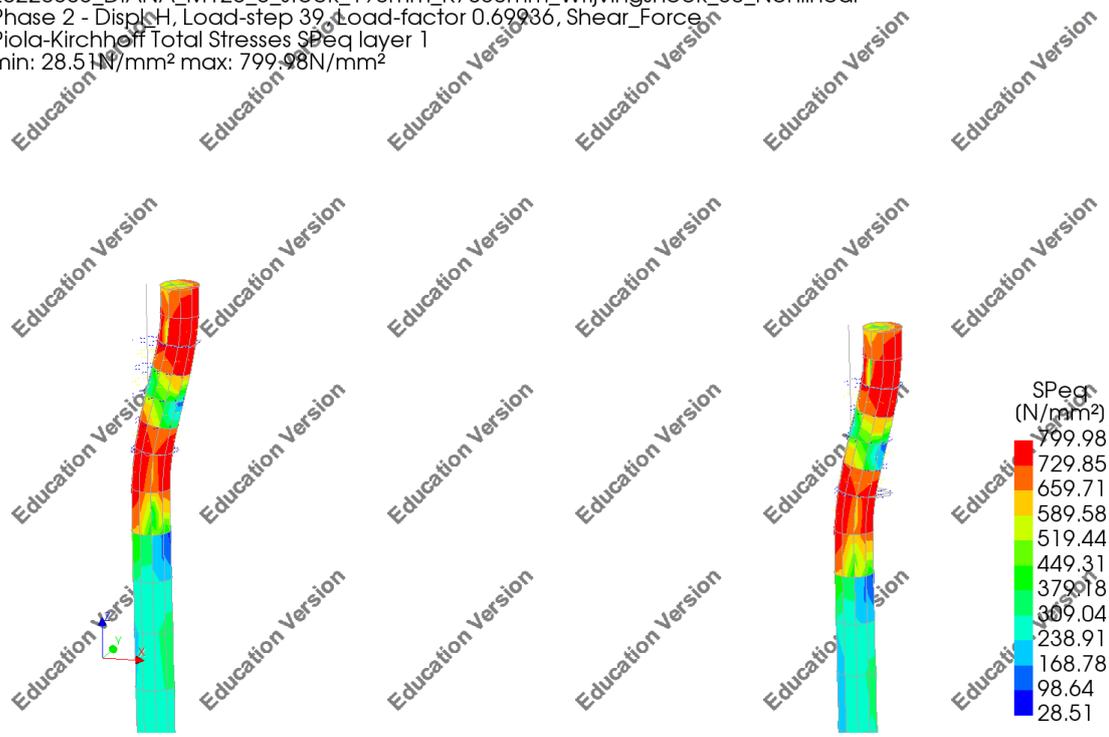
Cross-section Forces Qz at Phase 2 - Displ_H, Load-step 39, Load-factor 0.69936, Shear_Force

20220503_DIANA_M128_8_steek_190mm_K7030mm_Wrijvingshoek_30_Nonlinear
 Phase 2 - Displ_H, Load-step 39, Load-factor 0.69936, Shear_Force
 Cross-section Moments My



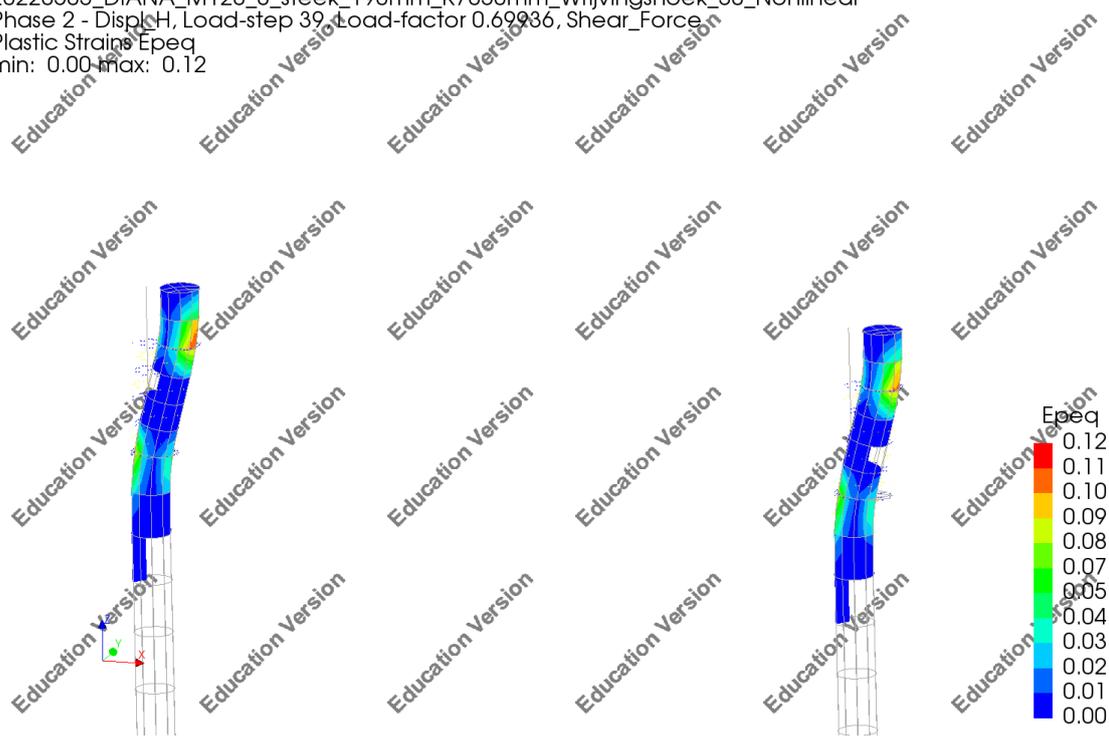
Cross-section Moments My at Phase 2 - Displ_H, Load-step 39, Load-factor 0.69936, Shear_Force

20220503_DIANA_M128_8_steek_190mm_K7030mm_Wrijvingshoek_30_Nonlinear
 Phase 2 - Displ_H, Load-step 39, Load-factor 0.69936, Shear_Force
 Piola-Kirchhoff Total Stresses S_{Peq} layer 1
 min: 28.51 N/mm² max: 799.98 N/mm²



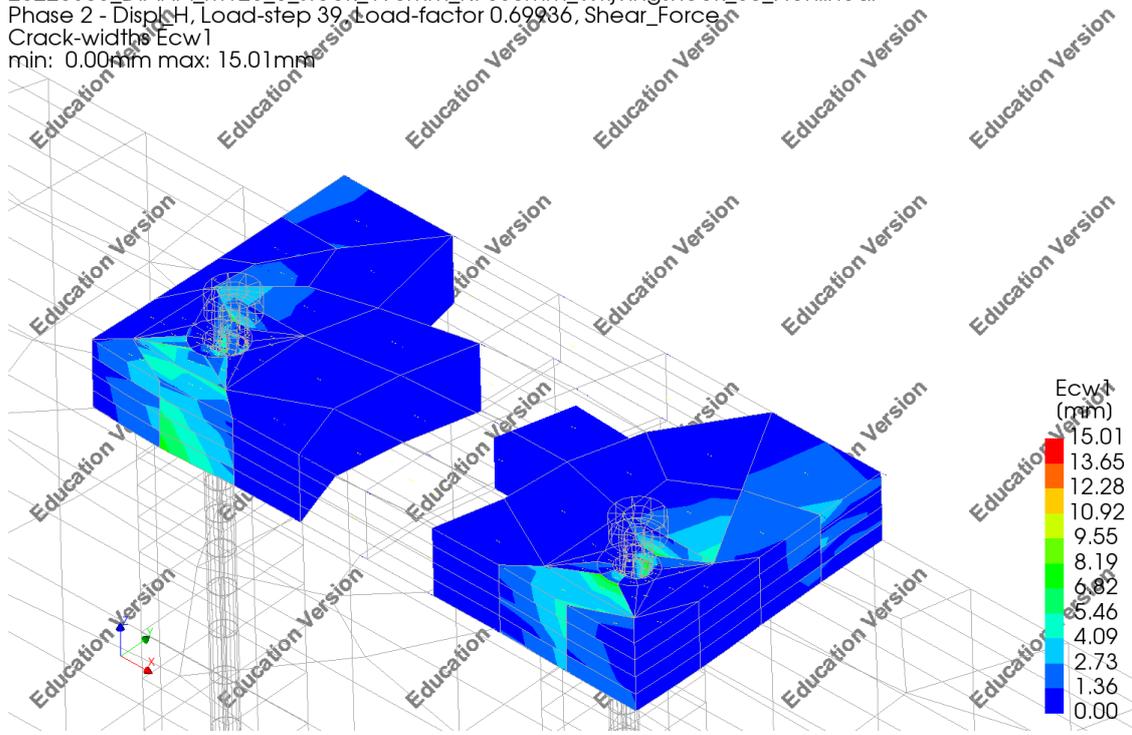
Piola-Kirchhoff Total Stresses S_{Peq} at Phase 2 - Displ_H, Load-step 39, Load-factor 0.69936, Shear_Force

20220503_DIANA_M128_8_steek_190mm_K7030mm_Wrijvingshoek_30_Nonlinear
 Phase 2 - Displ_H, Load-step 39, Load-factor 0.69936, Shear_Force
 Plastic Strains E_{peq}
 min: 0.00 max: 0.12



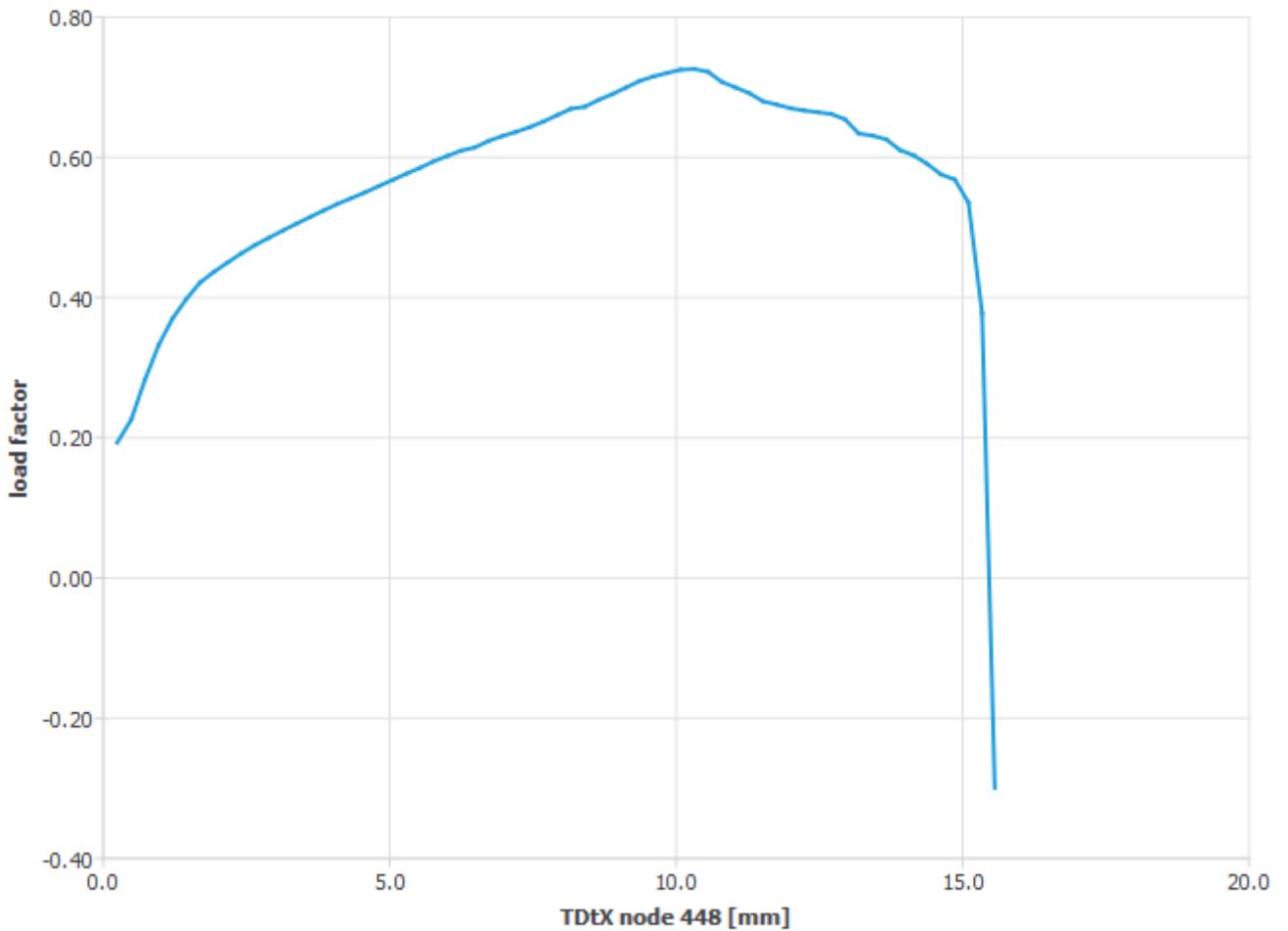
Plastic Strains E_{peq} at Phase 2 - Displ_H, Load-step 39, Load-factor 0.69936, Shear_Force

20220503_DIANA_M128_8_steek_190mm_K7030mm_Wrijvingshoek_30_Nonlinear
 Phase 2 - Displ_H, Load-step 39, Load-factor 0.69936, Shear_Force
 Crack-widths Ecw1
 min: 0.00mm max: 15.01mm



Crack-widths Ecw1 at Phase 2 - Displ_H, Load-step 39, Load-factor 0.69936, Shear_Force

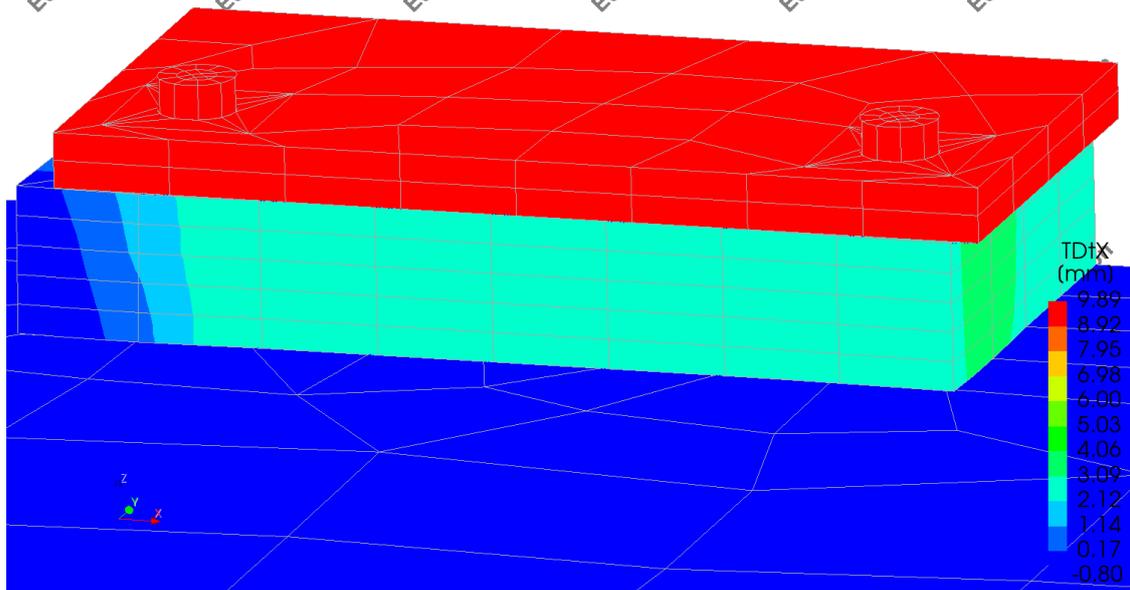
Displacements - TDtX node 448
 min=0.243137mm
 max=15.5617mm



Stress-strain diagram top of base-plate

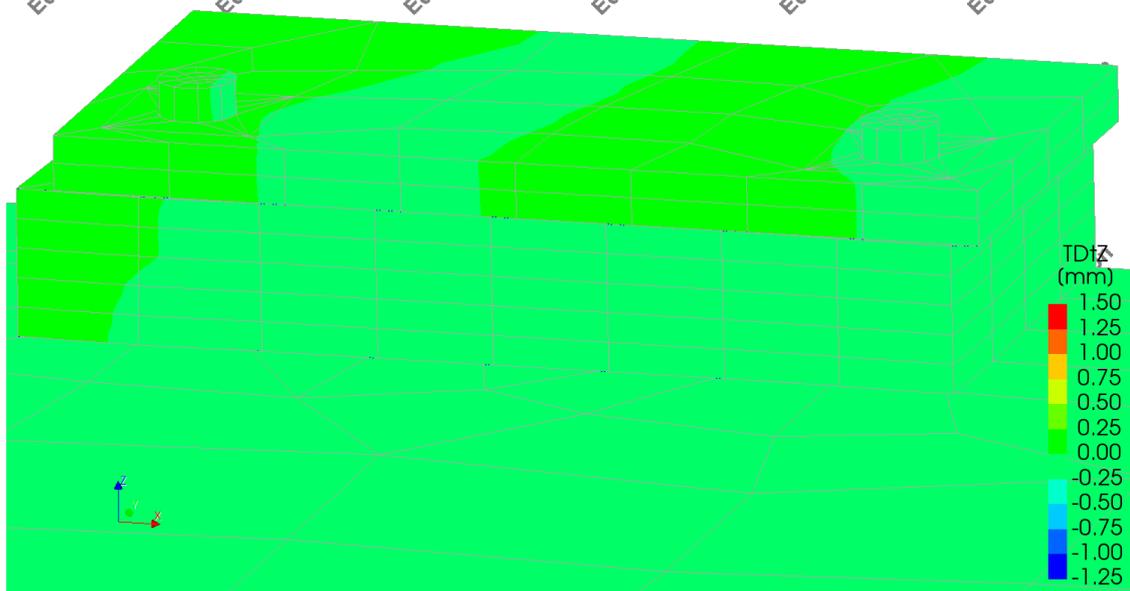
5.4.4. M12 8.8 K30 steek 190 40 mm stelruimte

20220508_DIANA_M128_8_steek_190mm_K3040mm_Wrijvingshoek_30_no_Nonlinear
Phase 2 - Displ_H, Load-step 40, Load-factor 0.53886, Shear_Force
Displacements TDtX
min: -0.80mm max: 9.89mm



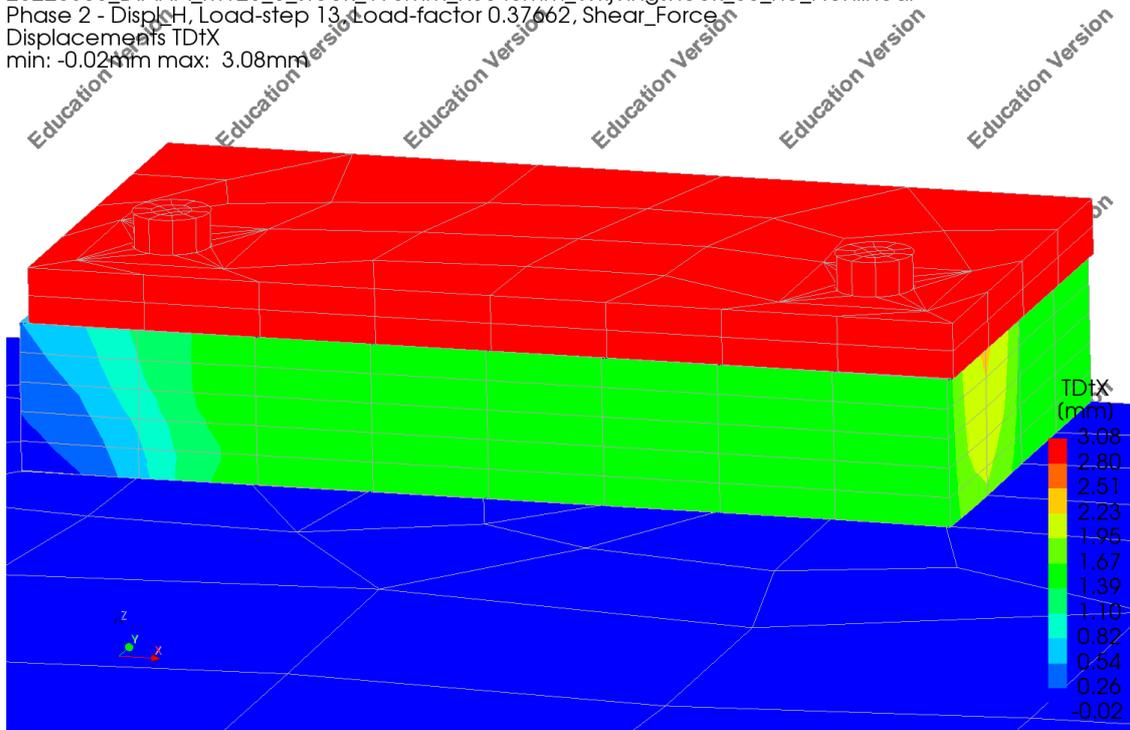
Displacements TDtX at Phase 2 - Displ_H, Load-step 40, Load-factor 0.53886, Shear_Force

20220508_DIANA_M128_8_steek_190mm_K3040mm_Wrijvingshoek_30_no_Nonlinear
Phase 2 - Displ_H, Load-step 40, Load-factor 0.53886, Shear_Force
Displacements TDtZ
min: -1.25mm max: 1.50mm



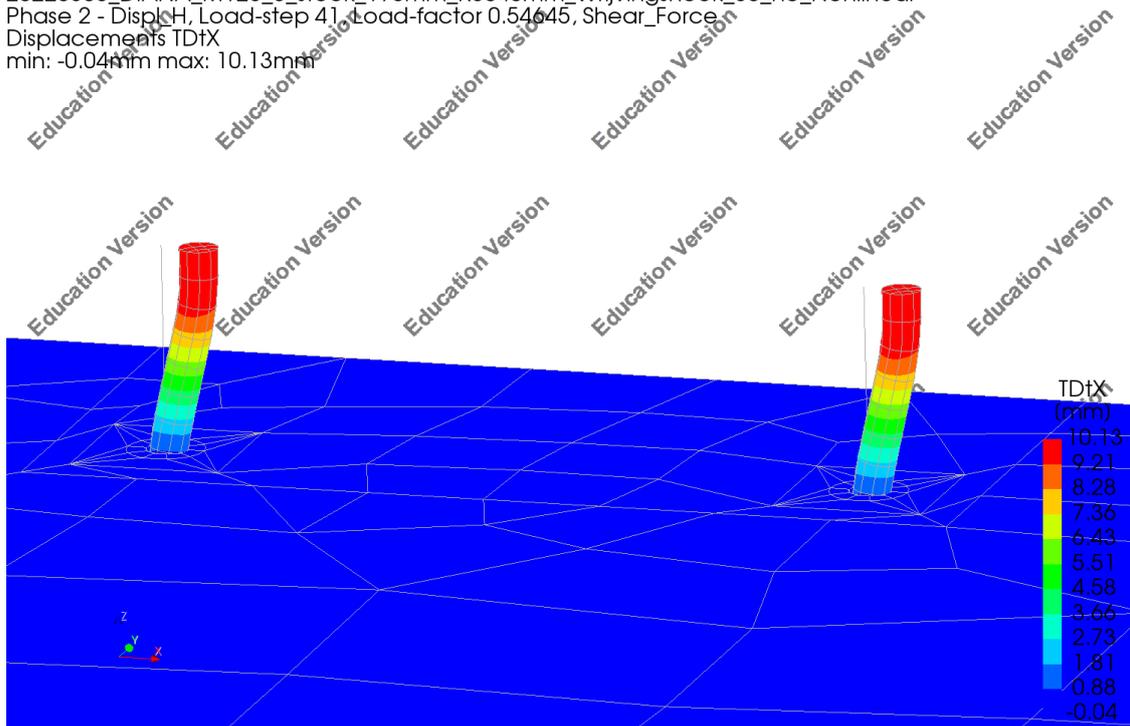
Displacements TDtZ at Phase 2 - Displ_H, Load-step 40, Load-factor 0.53886, Shear_Force

20220508_DIANA_M128_8_steek_190mm_K3040mm_Wrijvingshoek_30_no_Nonlinear
 Phase 2 - Displ_H, Load-step 13, Load-factor 0.37662, Shear_Force
 Displacements TDtX
 min: -0.02mm max: 3.08mm



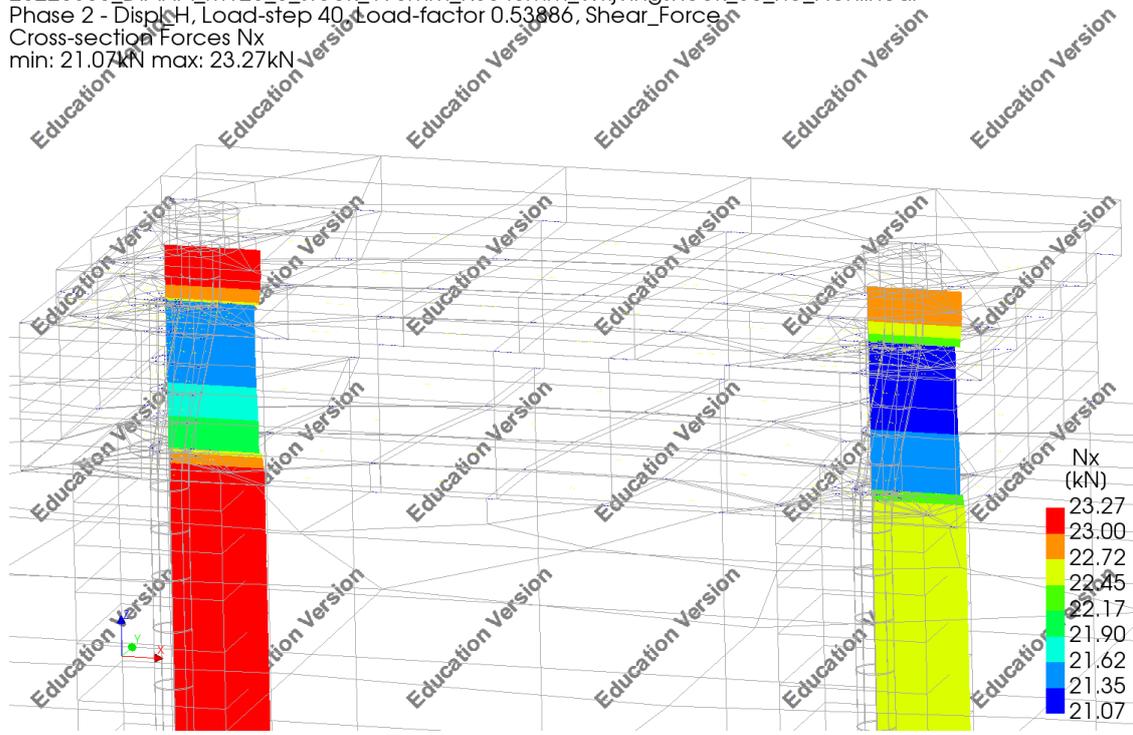
Displacements TDtX at Phase 2 - Displ_H, Load-step 13, Load-factor 0.37662, Shear_Force

20220508_DIANA_M128_8_steek_190mm_K3040mm_Wrijvingshoek_30_no_Nonlinear
 Phase 2 - Displ_H, Load-step 41, Load-factor 0.54645, Shear_Force
 Displacements TDtX
 min: -0.04mm max: 10.13mm



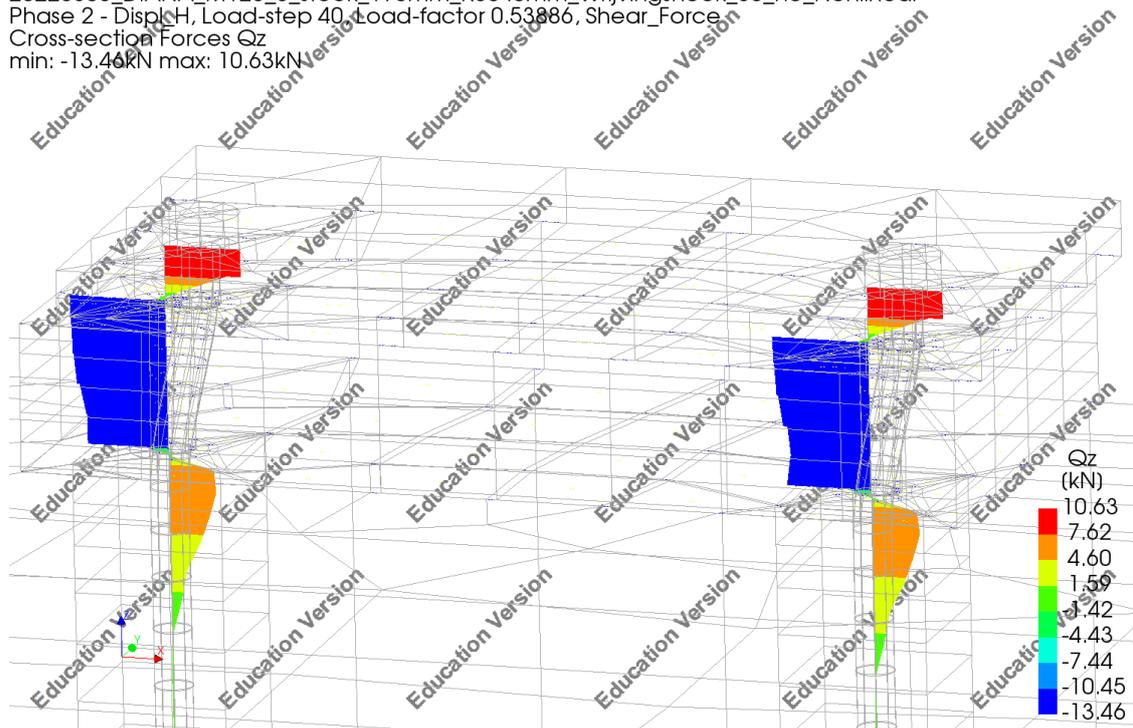
Displacements TDtX at Phase 2 - Displ_H, Load-step 41, Load-factor 0.54645, Shear_Force

20220508_DIANA_M128_8_steek_190mm_K3040mm_Wrijvingshoek_30_no_Nonlinear
 Phase 2 - Displ_H, Load-step 40, Load-factor 0.53886, Shear_Force
 Cross-section Forces Nx
 min: 21.07kN max: 23.27kN



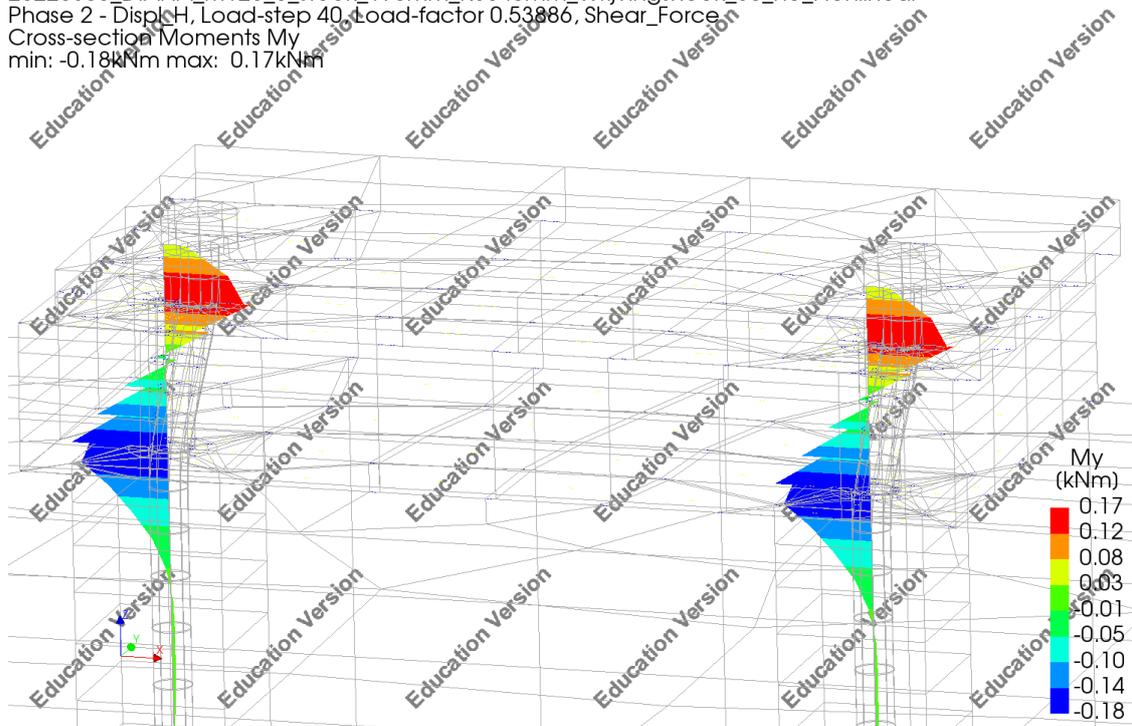
Cross-section Forces Nx at Phase 2 - Displ_H, Load-step 40, Load-factor 0.53886, Shear_Force

20220508_DIANA_M128_8_steek_190mm_K3040mm_Wrijvingshoek_30_no_Nonlinear
 Phase 2 - Displ_H, Load-step 40, Load-factor 0.53886, Shear_Force
 Cross-section Forces Qz
 min: -13.46kN max: 10.63kN



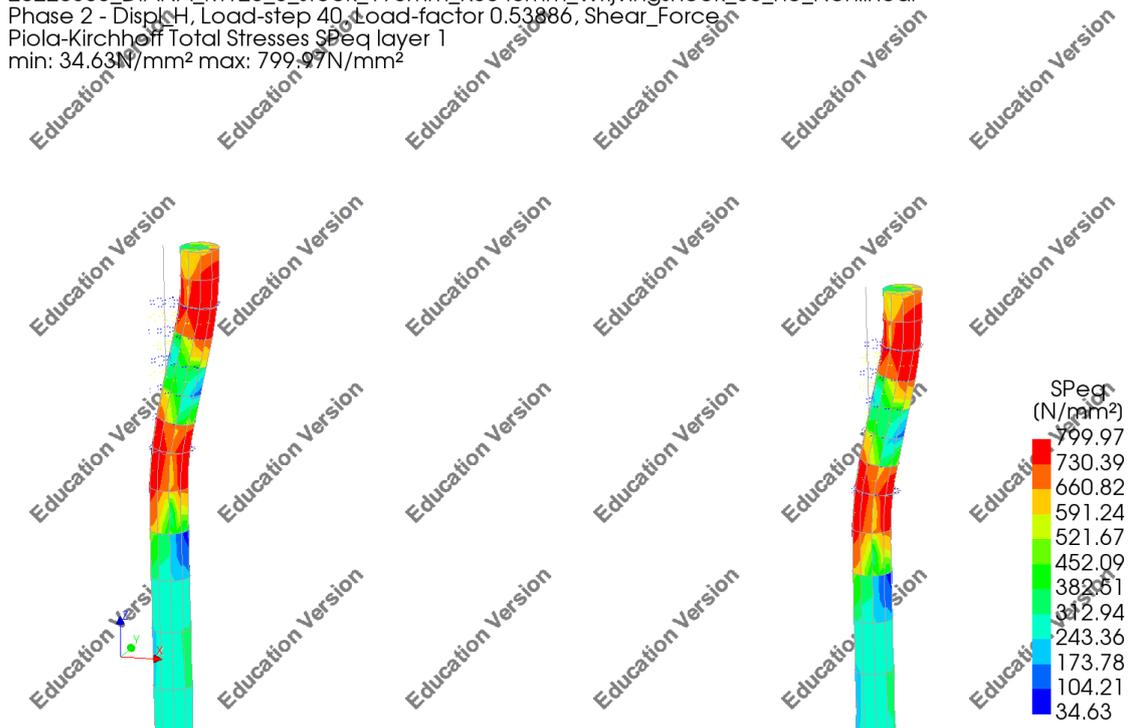
Cross-section Forces Qz at Phase 2 - Displ_H, Load-step 40, Load-factor 0.53886, Shear_Force

20220508_DIANA_M128_8_steek_190mm_K3040mm_Wrijvingshoek_30_no_Nonlinear
 Phase 2 - Displ_H, Load-step 40, Load-factor 0.53886, Shear_Force
 Cross-section Moments My



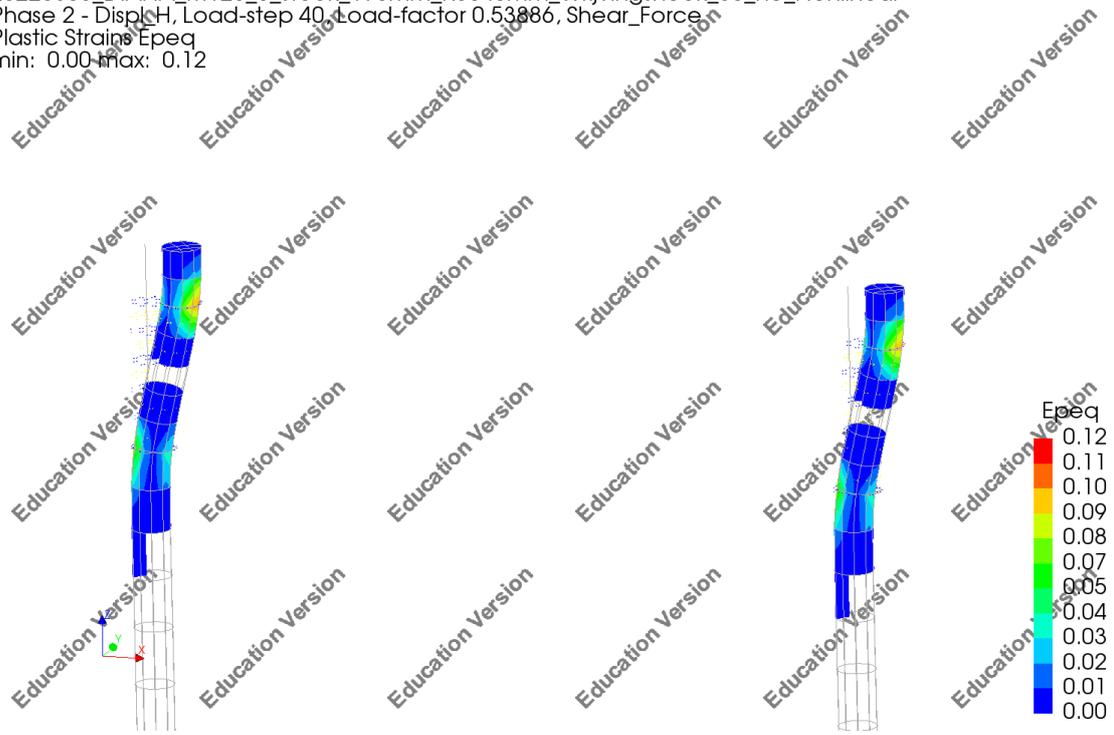
Cross-section Moments My at Phase 2 - Displ_H, Load-step 40, Load-factor 0.53886, Shear_Force

20220508_DIANA_M128_8_steek_190mm_K3040mm_Wrijvingshoek_30_no_Nonlinear
 Phase 2 - Displ_H, Load-step 40, Load-factor 0.53886, Shear_Force
 Piola-Kirchhoff Total Stresses SPEq layer 1



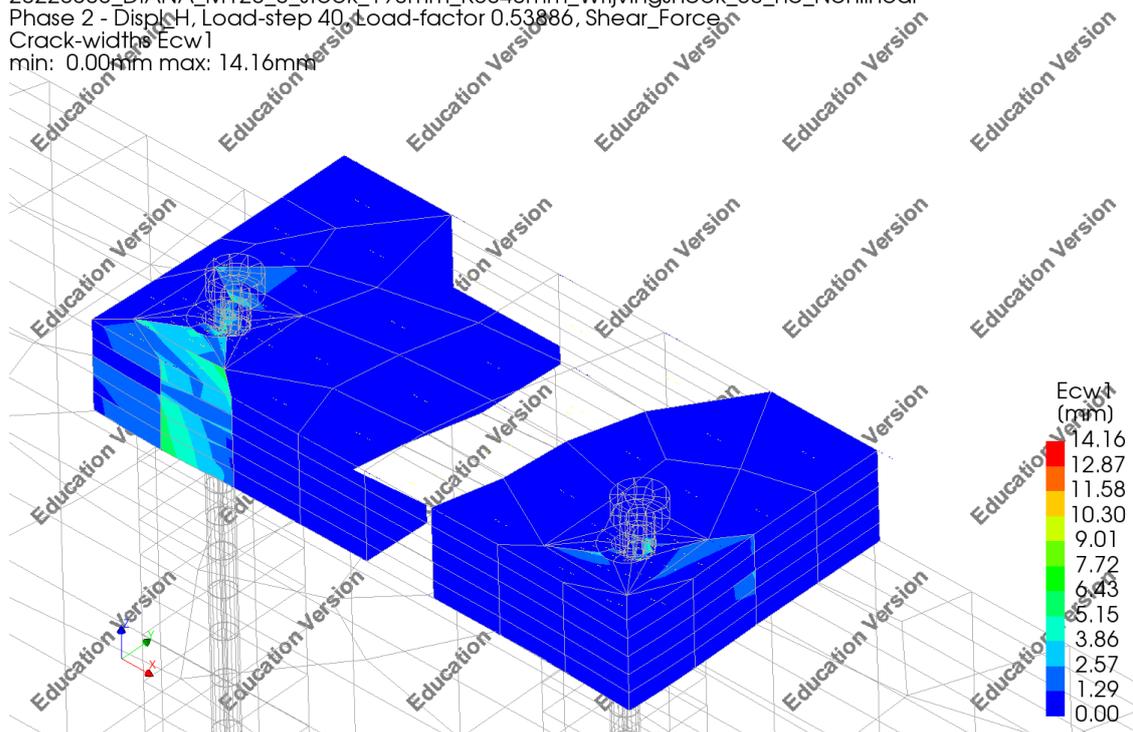
Piola-Kirchhoff Total Stresses SPEq at Phase 2 - Displ_H, Load-step 40, Load-factor 0.53886, Shear_Force

20220508_DIANA_M128_8_steek_190mm_K3040mm_Wrijvingshoek_30_no_Nonlinear
Phase 2 - Displ_H, Load-step 40, Load-factor 0.53886, Shear_Force
Plastic Strains Epeq
min: 0.00 max: 0.12



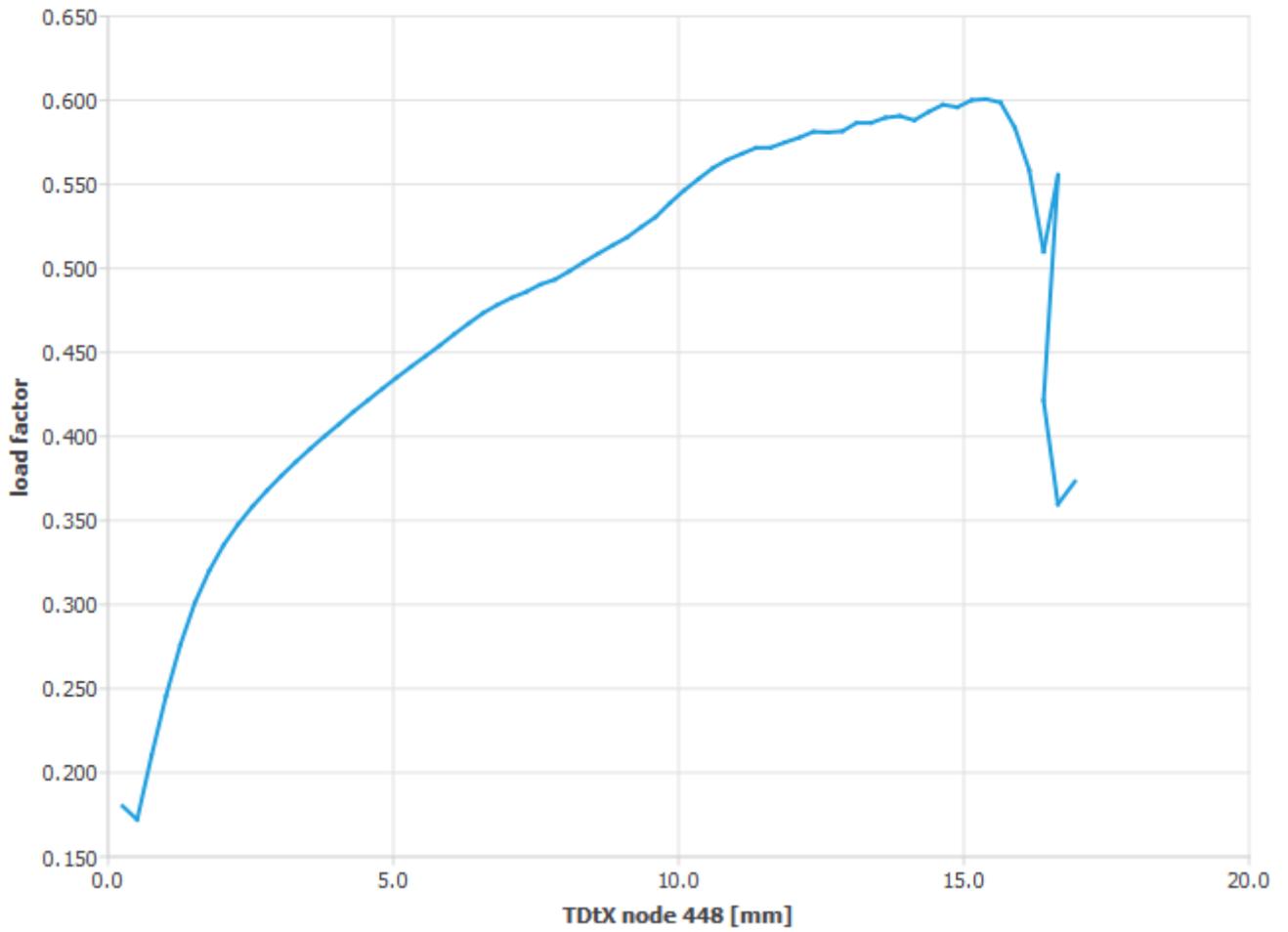
Plastic Strains Epeq at Phase 2 - Displ_H, Load-step 40, Load-factor 0.53886, Shear_Force

20220508_DIANA_M128_8_steek_190mm_K3040mm_Wrijvingshoek_30_no_Nonlinear
Phase 2 - Displ_H, Load-step 40, Load-factor 0.53886, Shear_Force
Crack-widths Ecw1
min: 0.00mm max: 14.16mm



Crack-widths Ecw1 at Phase 2 - Displ_H, Load-step 40, Load-factor 0.53886, Shear_Force

Displacements - TdX node 448
min=0.255736mm
max=16.9484mm



Stress-strain diagram top of base-plate