# Statische Berechnung
## Systemwände 1.5 und 2.0m

GSB Gesellschaft mbH

Gutachen - Statik - Bauprojekte

**Projekt-Nr.:**

*10149*

**Bauvorhaben:**

*pooldoktor Systemwände,*
*Kotzinastrasse 15*
*A-4030 Linz*

**Bauherr:**

*Kotzinastrasse 15*
*A-4030 Linz*

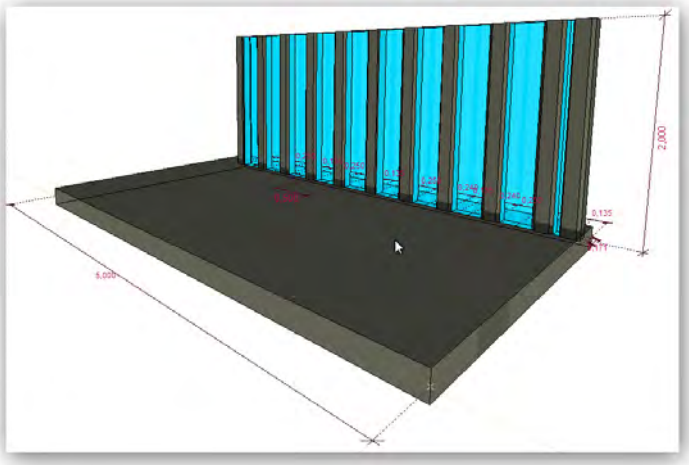
**Tragwerksplanung:**

*GSB GmbH*
*Kutzenbergstraße 1*
*A-4225 Luftenberg*

**Architekt:**

*pooldoktor*

*Projektgrafik:*



*Unterschrift:*

Allgemein beeideter und gerichtlich zertifizierter Sachverständiger
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29.04.2013

Seiten Gesamt 64

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# Pos. M1 Material dokumentieren

Material

Beton C 25/30 Normalbeton ÖNORM EN 1992-1-1

| | | | |
|---|---|---|---|
| Elastizitätsmodul | $E_{cm}$ | = | 31000 N/mm² |
| Zylinderdruckfestigkeit | $f_{ck,zyl}$ | = | 25.00 N/mm² |
| Würfeldruckfestigkeit | $f_{ckcube}$ | = | 30.00 N/mm² |
| Mittl. Zylinderdruckf. | $f_{cm}$ | = | 33.00 N/mm² |
| Mittl. Zugfestigkeit | $f_{ctm}$ | = | 2.60 N/mm² |
| 5%-Fraktil Zugfestigkeit | $f_{ctk005}$ | = | 1.80 N/mm² |
| 95%-Fraktil Zugfestigkeit | $f_{ctk095}$ | = | 3.30 N/mm² |
| Dehnung | $\varepsilon_{c1}$ | = | 2.10 ‰ |
| rechn. Bruchdehnung | $\varepsilon_{c1u}$ | = | 3.50 ‰ |
| Dehnung | $\varepsilon_{c2}$ | = | 2.00 ‰ |
| rechn. Bruchdehnung | $\varepsilon_{c2u}$ | = | 3.50 ‰ |
| Verbundspannung | $f_{bd}$ | = | 2.70 N/mm² |
| Exponent nach Gl. (D.4.3) | n | = | 2.00 - |
| Mindestbewehrungsbeiwert | $\rho$ | = | 0.78 - |

Betonstahl BSt 550SA ÖNORM EN 1992-1-1
Stabstahl

| | | | |
|---|---|---|---|
| Elastizitätsmodul | $E_s$ | = | 200000 N/mm² |
| Streckgrenze | $f_{yk}$ | = | 550.00 N/mm² |
| Zugfestigkeit | $f_{tk}$ | = | 550.00 N/mm² |
| Maß der Duktilität | $f_t/f_y$ | = | 1.05 - |
| rechn. Bruchdehnung | $\varepsilon_{uk}$ | = | 25.00 ‰ |

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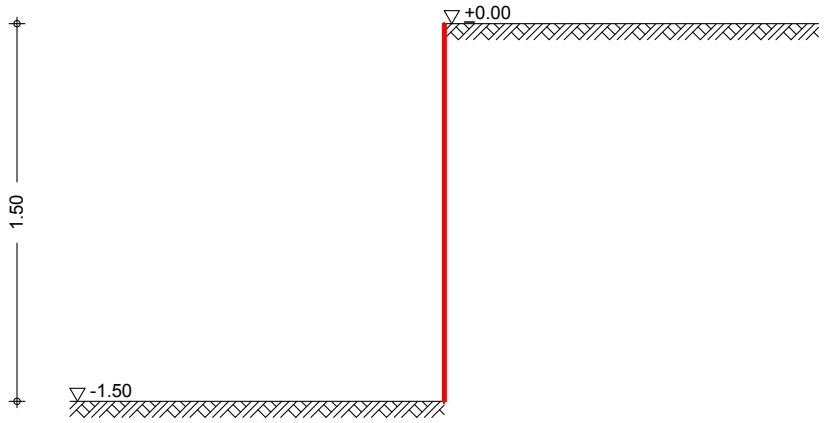
# Pos. Ed_150 Erddruckermittlung für Wand H = 1.50m

System
M 1:30




Geometrie: Erddruckermittlung auf ebene Wandfläche

Belastungsfläche:
Höhe der Belastungsfläche $h = 1.50$ [m]
Wandneigung $\alpha = 0.00$ [°]

Gelände: ebenes Gelände

Boden

| h [m] | $\gamma$ [kN/m³] | $\gamma'$ [kN/m³] | $\varphi$ [°] | $c_a$ [kN/m²] | $\delta_a$ [°] | $\delta_0$ [°] |
|---|---|---|---|---|---|---|
| 999.0 | 20.0 | 10.0 | 30.0 | - | 20.0 | 0.0 |

Belastungen

Großflächige Auflast

| Nr. | EW | p [kN/m²] |
|---|---|---|
| 1 | #BodenE | 3.00 |

Grafik: Belastungsgrafiken (Einwirkungsbezogen)

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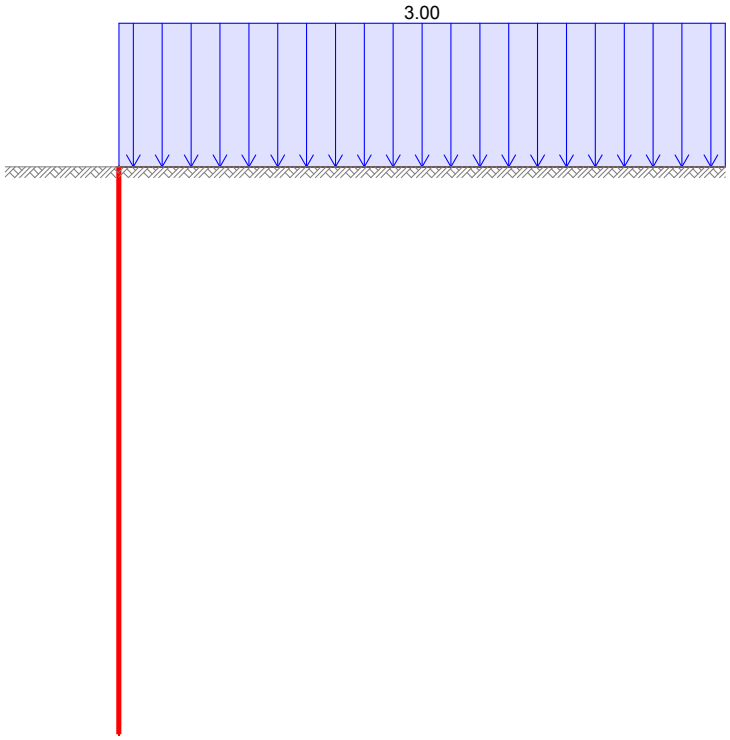
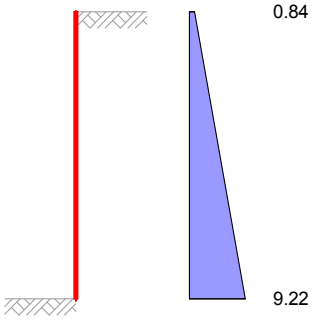
Einwirkung #BodenE




Erddruck Berechnung gem. DIN 4085 (10/07)

EW #BodenE aktiver Erddruck
großfl. Auflast < 10 kN/m² $p_{e\,k}$ = 3.00 kN/m²

M 1:40




Erddruckspannungen

| z [m] | $K_{agh}$ [-] | $K_{ach}$ | $K_{aph}$ | $e_{agh}$ | $e_{ach}$ | $e_{aph}$ | $\Sigma e_h$ |
|---|---|---|---|---|---|---|---|
| | | | | [kN/m²] | | | |
| 0.00 | 0.279 | 0.922 | 0.279 | 0.0 | 0.0 | 0.8 | 0.84 |
| 1.50 | 0.279 | 0.922 | 0.279 | 8.4 | 0.0 | 0.8 | 9.22 |

Resultierende Erddruckspannungen

| z [m] | $\Sigma e_h$ [kN/m²] |
|---|---|
| 0.00 | 0.84 |
| 1.50 | 9.22 |

aktive Erddruckkraft
$E_{a\,h}$ = 7.54 kN/m
$E_{a\,v}$ = 2.75 kN/m

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# Projekt: Poolwand

Bearbeiter: GSB / Derntl

AxisVM 11.0 R4a · Registrierter Benutzer: Not For Resale Version

Poolwand_h.1.50.axs

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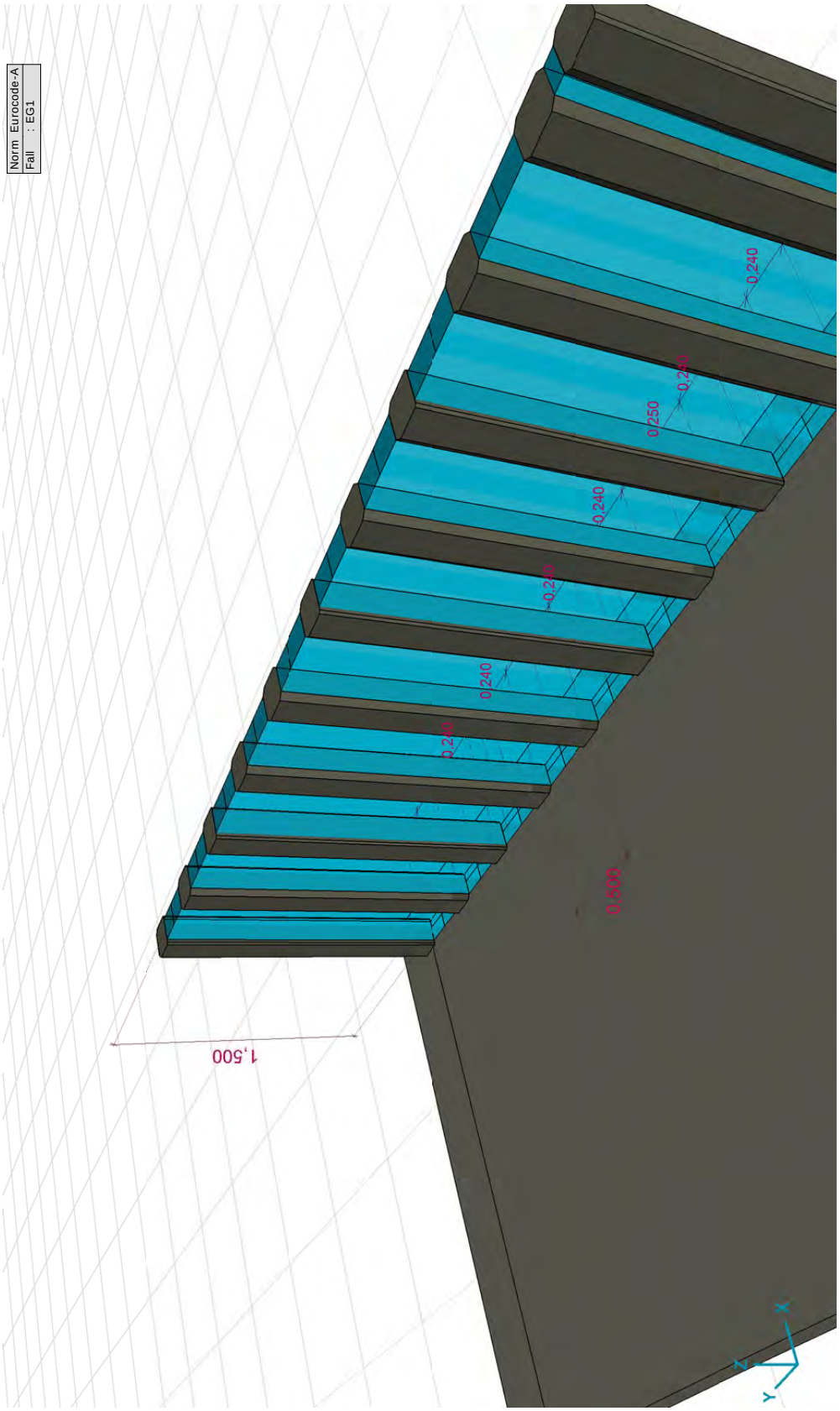
AxisVM 11.0 R4a · Registrierter Benutzer: Not For Resale Version

**Projekt: Poolwand**
Bearbeiter: GSB / Derntl
Modell: **Poolwand_h.1.50.axs** 29.04.2013 Seite 6




*3D1*

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## Materialien

| | *Name* | *Typ* | *$E_x$ [N/mm²]* | *$E_y$ [N/mm²]* | *v* | *$\alpha_T$ [1/°C]* | *ρ [kg/m³]* | *Material Farbe* | *Kontur Farbe* |
|---|---|---|---|---|---|---|---|---|---|
| 1 | S 235 | Stahl | 210000 | 210000 | 0,30 | 1,2E-5 | 7850 | | |
| 2 | S 275 | Stahl | 210000 | 210000 | 0,30 | 1,2E-5 | 7850 | | |
| 3 | C20/25 | Beton | 29000 | 29000 | 0,20 | 1E-5 | 2500 | | |
| 4 | H FICHTE | Holz | 10000 | 10000 | 0,21 | 7,6E-6 | 520 | | |
| 5 | Boden | Sonstiges | 50 | 50 | 0,20 | 1E+5 | 1800 | | |
| 6 | H KIEFER | Holz | 10500 | 10500 | 0,21 | 7,6E-6 | 520 | | |
| 7 | BSH | Holz | 11000 | 11000 | 0,20 | 4E-6 | 520 | | |
| 8 | C16/20 | Beton | 27500 | 27500 | 0,20 | 1E-5 | 2500 | | |
| 9 | Ziegel_weich | Ziegelstein | 100 | 100 | 0,20 | 1E+5 | 1600 | | |
| 10 | C25/30 | Beton | 30500 | 30500 | 0,20 | 1E-5 | 2500 | | |
| 11 | Ziegel | Ziegelstein | 1500 | 1500 | 0,20 | 1E+5 | 1600 | | |
| 12 | S 355 | Stahl | 210000 | 210000 | 0,30 | 1,2E-5 | 7850 | | |
| 13 | C30/37 | Beton | 32000 | 32000 | 0,20 | 1E-5 | 2500 | | |
| 14 | LAAS | Holz | 10500 | 10500 | 0,21 | 7,6E-6 | 150 | | |
| 15 | GGG 40 Dukt. | Stahl | 160000 | 160000 | 0,10 | 1,2E-5 | 7050 | | |
| 16 | C50/60 | Beton | 37000 | 37000 | 0,20 | 1E-5 | 2500 | | |
| 17 | C35/45 | Beton | 33500 | 33500 | 0,20 | 1E-5 | 2500 | | |
| 18 | C40/50 | Beton | 35000 | 35000 | 0,20 | 1E-5 | 2500 | | |

| | *Name* | *Textur* | *$P_1$* | *$P_2$* | *$P_3$* | *$P_4$* | *$P_5$* |
|---|---|---|---|---|---|---|---|
| 1 | S 235 | Metal Blue | $f_y$[N/mm²] = 235 | $f_u$[N/mm²] = 360 | $f_y^*$[N/mm²] = 215 | $f_u^*$[N/mm²] = 360 | |
| 2 | S 275 | – | $f_y$[N/mm²] = 275 | $f_u$[N/mm²] = 430 | $f_y^*$[N/mm²] = 255 | $f_u^*$[N/mm²] = 410 | |
| 3 | C20/25 | – | $f_{ck}$[N/mm²] = 20 | $\gamma_c$= 1,500 | $\alpha_{cc}$= 1,00 | $\phi_t$= 2,00 | |
| 4 | H FICHTE | White Oak | | | | | |
| 5 | Boden | – | | | | | |
| 6 | H KIEFER | – | | | | | |
| 7 | BSH | – | Hart | $E_{0.05}$[N/mm²] = 0 | $f_{md}$[N/mm²] = 0 | $f_{t0d}$[N/mm²] = 0 | $f_{t90d}$[N/mm²] = 0 |
| 8 | C16/20 | Basic Concrete | $f_{ck}$[N/mm²] = 16 | $\gamma_c$= 1,500 | $\alpha_{cc}$= 0,85 | $\phi_t$= 2,00 | |
| 9 | Ziegel_weich | Castle Brick Sepia | | | | | |
| 10 | C25/30 | Concrete Rough 3 | $f_{ck}$[N/mm²] = 25 | $\gamma_c$= 1,500 | $\alpha_{cc}$= 1,00 | $\phi_t$= 2,00 | |
| 11 | Ziegel | New Brick | | | | | |
| 12 | S 355 | Metal Blue | $f_y$[N/mm²] = 355 | $f_u$[N/mm²] = 510 | $f_y^*$[N/mm²] = 335 | $f_u^*$[N/mm²] = 470 | |
| 13 | C30/37 | Speckled 1 | $f_{ck}$[N/mm²] = 30 | $\gamma_c$= 1,500 | $\alpha_{cc}$= 1,00 | $\phi_t$= 2,00 | |
| 14 | LAAS | – | | | | | |
| 15 | GGG 40 Dukt. | Steel | $f_y$[N/mm²] = 300 | $f_u$[N/mm²] = 420 | $f_y^*$[N/mm²] = 285 | $f_u^*$[N/mm²] = 385 | |
| 16 | C50/60 | Concrete A | $f_{ck}$[N/mm²] = 50 | $\gamma_c$= 1,500 | $\alpha_{cc}$= 1,00 | $\phi_t$= 2,00 | |
| 17 | C35/45 | Concrete A | $f_{ck}$[N/mm²] = 35 | $\gamma_c$= 1,500 | $\alpha_{cc}$= 1,00 | $\phi_t$= 2,00 | |
| 18 | C40/50 | Cement | $f_{ck}$[N/mm²] = 40 | $\gamma_c$= 1,500 | $\alpha_{cc}$= 1,00 | $\phi_t$= 2,00 | |

| | *Name* | *$P_6$* | *$P_7$* | *$P_8$* | *$P_9$* | *$P_{10}$* | *$P_{11}$* | *$P_{12}$* |
|---|---|---|---|---|---|---|---|---|
| 1 | S 235 | | | | | | | |
| 2 | S 275 | | | | | | | |
| 3 | C20/25 | | | | | | | |
| 4 | H FICHTE | | | | | | | |
| 5 | Boden | | | | | | | |
| 6 | H KIEFER | | | | | | | |
| 7 | BSH | $f_{c0d}$[N/mm²] = 0 | $f_{c90d}$[N/mm²] = 0 | $f_{vd}$[N/mm²] = 0 | | | | |
| 8 | C16/20 | | | | | | | |
| 9 | Ziegel_weich | | | | | | | |
| 10 | C25/30 | | | | | | | |
| 11 | Ziegel | | | | | | | |
| 12 | S 355 | | | | | | | |
| 13 | C30/37 | | | | | | | |
| 14 | LAAS | | | | | | | |
| 15 | GGG 40 Dukt. | | | | | | | |
| 16 | C50/60 | | | | | | | |
| 17 | C35/45 | | | | | | | |
| 18 | C40/50 | | | | | | | |

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## Materialien

| | Name | Typ | $E_x$ [N/mm²] | $E_y$ [N/mm²] | $v$ | $\alpha_T$ [1/°C] | $\rho$ [kg/m³] | Material Farbe | Kontur Farbe |
|---|---|---|---|---|---|---|---|---|---|
| 19 | Gras | Holz | 10000 | 10000 | 0,21 | 7,6E-6 | 520 | | |
| 20 | ALUMINIUM | Aluminium | 69000 | 69000 | 0,33 | 2,37E-5 | 2620 | | |
| 21 | ALUMINIUM_1 | Aluminium | 69000 | 69000 | 0,33 | 2,37E-5 | 2620 | | |
| 22 | Boden_1 | Sonstiges | 100 | 100 | 0,20 | 1E+5 | 1800 | | |
| 23 | C35/45_HDD | Beton | 33500 | 33500 | 0,20 | 1E-5 | 1450 | | |
| 24 | S 355_1 | Stahl | 2100 | 2100 | 0,30 | 1,2E-5 | 7850 | | |
| 25 | S 235_1 | Stahl | 210 | 210 | 0,30 | 1,2E-5 | 7850 | | |

| | Name | Textur | $P_1$ | $P_2$ | $P_3$ | $P_4$ | $P_5$ |
|---|---|---|---|---|---|---|---|
| 19 | Gras | Grass | | | | | |
| 20 | ALUMINIUM | Aluminium | | | | | |
| 21 | ALUMINIUM_1 | Aluminium | | | | | |
| 22 | Boden_1 | – | | | | | |
| 23 | C35/45_HDD | Concrete A | $f_{ck}$[N/mm²] = 35 | $\gamma_c$ = 1,500 | $\alpha_{cc}$ = 1,00 | $\phi_t$ = 2,00 | |
| 24 | S 355_1 | Metal Blue | $f_y$[N/mm²] = 355 | $f_u$[N/mm²] = 510 | $f_y^*$[N/mm²] = 335 | $f_u^*$[N/mm²] = 470 | |
| 25 | S 235_1 | Metal Blue | $f_y$[N/mm²] = 235 | $f_u$[N/mm²] = 360 | $f_y^*$[N/mm²] = 215 | $f_u^*$[N/mm²] = 360 | |

| | Name | $P_6$ | $P_7$ | $P_8$ | $P_9$ | $P_{10}$ | $P_{11}$ | $P_{12}$ |
|---|---|---|---|---|---|---|---|---|
| 19 | Gras | | | | | | | |
| 20 | ALUMINIUM | | | | | | | |
| 21 | ALUMINIUM_1 | | | | | | | |
| 22 | Boden_1 | | | | | | | |
| 23 | C35/45_HDD | | | | | | | |
| 24 | S 355_1 | | | | | | | |
| 25 | S 235_1 | | | | | | | |

## Profile

| | Name | Zeichnung | Herstellung | Form | h [cm] | b [cm] | tw [cm] | tf [cm] | Ax [cm²] | Ay [cm²] | Az [cm²] |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Iso Massiv Stein Mitte | | Sonstiges | indiv. | 17,00 | 19,00 | 0 | 0 | 308,00 | 259,91 | 259,07 |
| 2 | Iso Massiv Stein Rand | | Sonstiges | indiv. | 17,00 | 17,00 | 0 | 0 | 280,50 | 235,47 | 234,91 |

| | Name | Ix [cm⁴] | Iy [cm⁴] | Iz [cm⁴] | Iyz [cm⁴] | $I_1$ [cm⁴] | $I_2$ [cm⁴] | $\alpha$ [°] | Iω [cm⁶] | $W_{1,el,t}$ [cm³] | $W_{1,el,b}$ [cm³] | $W_{2,el,t}$ [cm³] | $W_{2,el,b}$ [cm³] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Iso Massiv Stein Mitte | 19408,0 | 6892,0 | 8625,7 | 0 | 8625,7 | 6892,0 | 90,00 | 4976 | 908,0 | 908,0 | 810,8 | 810,8 |
| 2 | Iso Massiv Stein Rand | 17194,3 | 6449,9 | 6459,5 | 0 | 6459,5 | 6449,9 | 90,00 | 2512 | 775,6 | 744,9 | 758,8 | 758,8 |

| | Name | $W_{1,pl}$ [cm³] | $W_{2,pl}$ [cm³] | $i_y$ [cm] | $i_z$ [cm] | Hy [cm] | Hz [cm] | $y_G$ [cm] | $z_G$ [cm] | $y_s$ [cm] | $z_s$ [cm] | F.p. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Iso Massiv Stein Mitte | 1406,7 | 1257,7 | 4,73 | 5,29 | 19,00 | 17,00 | 9,50 | 8,50 | 0 | 0 | 9 |
| 2 | Iso Massiv Stein Rand | 1162,2 | 1162,6 | 4,80 | 4,80 | 17,00 | 17,00 | 8,33 | 8,50 | 0,12 | 0 | 9 |

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## Referenzen

| | Name | Typ | $X_1$ [m] | $Y_1$ [m] | $Z_1$ [m] | $X_2$ [m] | $Y_2$ [m] | $Z_2$ [m] | $X_3$ [m] | $Y_3$ [m] | $Z_3$ [m] |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | R1 | Ve | 0 | 0 | 0 | −1,000 | 0 | 0 | | | |
| 2 | R2 | Ve | 0 | 0 | 0 | 0 | 1,000 | 0 | | | |

## Plattenbalken

| | Knot i | Knot j | Stablänge [m] | Lokal x | Material | Anfangs-querschnitt | End-querschnitt | $Ref_z$ |
|---|---|---|---|---|---|---|---|---|
| 1 | 7 | 30 | 1,500 | i - j | 10 | 2 | 2 | Auto |
| 2 | 13 | 36 | 1,500 | i - j | 10 | 2 | 2 | Auto |
| 3 | 17 | 40 | 1,500 | i - j | 10 | 2 | 2 | Auto |
| 4 | 25 | 48 | 1,500 | i - j | 10 | 2 | 2 | Auto |
| 5 | 29 | 52 | 1,500 | i - j | 10 | 2 | 2 | Auto |
| 6 | 8 | 31 | 1,500 | i - j | 10 | 1 | 1 | Auto |
| 7 | 10 | 33 | 1,500 | i - j | 10 | 1 | 1 | Auto |
| 8 | 15 | 38 | 1,500 | i - j | 10 | 1 | 1 | Auto |
| 9 | 20 | 43 | 1,500 | i - j | 10 | 1 | 1 | Auto |
| 10 | 22 | 45 | 1,500 | i - j | 10 | 1 | 1 | Auto |
| 11 | 27 | 50 | 1,500 | i - j | 10 | 1 | 1 | Auto |

| | Exc. Typ | Anfangs-exz. [mm] | End-exz. [mm] | Verbindung Steifigkeit\|[kN/m/m] | $Gl_Anf$ | $Gl_{Ende}$ | $s_{yy,A}$ [kNm/rad] | $s_{zz,A}$ [kNm/rad] | $s_{yy,E}$ [kNm/rad] | $s_{zz,E}$ [kNm/rad] |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Mittlere | 0 | 0 | | . | . | | | | |
| 2 | Mittlere | 0 | 0 | | . | . | | | | |
| 3 | Mittlere | 0 | 0 | | . | . | | | | |
| 4 | Mittlere | 0 | 0 | | . | . | | | | |
| 5 | Mittlere | 0 | 0 | | . | . | | | | |
| 6 | Mittlere | 0 | 0 | | . | . | | | | |
| 7 | Mittlere | 0 | 0 | | . | . | | | | |
| 8 | Mittlere | 0 | 0 | | . | . | | | | |
| 9 | Mittlere | 0 | 0 | | . | . | | | | |
| 10 | Mittlere | 0 | 0 | | . | . | | | | |
| 11 | Mittlere | 0 | 0 | | . | . | | | | |

| | $M_{yH,A}$ [kNm] | $M_{zH,A}$ [kNm] | $M_{yH,E}$ [kNm] | $M_{zH,E}$ [kNm] | Karakterisztika yy, E | Karakterisztika zz, V | Karakterisztika yy, E | Karakterisztika yy, V |
|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |
| 11 | | | | | | | | |

## EG1: Eigengew. des Plattenbalkens

| | Σ [kg] |
|---|---|
| 1–104 | 1218,938 |
| **Gesamt** | **1218,938** |

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## EG1: Eigengew. der Fläche

| | *Σ [kg]* |
|---|---|
| 1–1279 | 9628,500 |
| **Gesamt** | **9628,500** |

## EG1: Eigengewicht des Bereiches

| | *Σ [kg]* |
|---|---|
| 1–20 | 9628,500 |
| **Gesamt** | **9628,500** |

## Wasserdr: Flüssigkeitslast

| | *Richtung* | *X [m]* | *Y [m]* | *Fz [kN]* | *Fz [kN]* |
|---|---|---|---|---|---|
| 14 | Z | 2,000 | 0 | 0 | −15,00 |
| 15 | Z | 2,000 | 0 | 0 | −15,00 |
| 12 | Z | 2,000 | 0 | 0 | −15,00 |
| 13 | Z | 2,000 | 0 | 0 | −15,00 |
| 16 | Z | 2,000 | 0 | 0 | −15,00 |
| 19 | Z | 2,000 | 0 | 0 | −15,00 |
| 20 | Z | 2,000 | 0 | 0 | −15,00 |
| 17 | Z | 2,000 | 0 | 0 | −15,00 |
| 18 | Z | 2,000 | 0 | 0 | −15,00 |
| 11 | Z | 2,000 | 0 | 0 | −15,00 |

| | *Richtung* | *X [m]* | *Y [m]* | *Fz [kN]* | *Fz [kN]* |
|---|---|---|---|---|---|
| 4 | Z | 2,000 | 0 | 0 | −15,00 |
| 5 | Z | 2,000 | 0 | 0 | −15,00 |
| 2 | Z | 2,000 | 0 | 0 | −15,00 |
| 3 | Z | 2,000 | 0 | 0 | −15,00 |
| 6 | Z | 2,000 | 0 | 0 | −15,00 |
| 9 | Z | 2,000 | 0 | 0 | −15,00 |
| 10 | Z | 2,000 | 0 | 0 | −15,00 |
| 7 | Z | 2,000 | 0 | 0 | −15,00 |
| 8 | Z | 2,000 | 0 | 0 | −15,00 |

## Erddr: Flüssigkeitslast

| | *Richtung* | *X [m]* | *Y [m]* | *Fz [kN]* | *Fz [kN]* |
|---|---|---|---|---|---|
| 14 | Z | 1,500 | 0 | 0,84 | 9,22 |
| 15 | Z | 1,500 | 0 | 0,84 | 9,22 |
| 12 | Z | 1,500 | 0 | 0,84 | 9,22 |
| 13 | Z | 1,500 | 0 | 0,84 | 9,22 |
| 16 | Z | 1,500 | 0 | 0,84 | 9,22 |
| 19 | Z | 1,500 | 0 | 0,84 | 9,22 |
| 20 | Z | 1,500 | 0 | 0,84 | 9,22 |
| 17 | Z | 1,500 | 0 | 0,84 | 9,22 |
| 18 | Z | 1,500 | 0 | 0,84 | 9,22 |
| 11 | Z | 1,500 | 0 | 0,84 | 9,22 |

| | *Richtung* | *X [m]* | *Y [m]* | *Fz [kN]* | *Fz [kN]* |
|---|---|---|---|---|---|
| 4 | Z | 1,500 | 0 | 0,84 | 9,22 |
| 5 | Z | 1,500 | 0 | 0,84 | 9,22 |
| 2 | Z | 1,500 | 0 | 0,84 | 9,22 |
| 3 | Z | 1,500 | 0 | 0,84 | 9,22 |
| 6 | Z | 1,500 | 0 | 0,84 | 9,22 |
| 9 | Z | 1,500 | 0 | 0,84 | 9,22 |
| 10 | Z | 1,500 | 0 | 0,84 | 9,22 |
| 7 | Z | 1,500 | 0 | 0,84 | 9,22 |
| 8 | Z | 1,500 | 0 | 0,84 | 9,22 |

## Lastfälle

| | *Name* | *Gruppe* | *Gruppentyp* |
|---|---|---|---|
| 1 | EG1 | STÃND1 | ständig |
| 2 | Wasserdr | VERÃND1 | veränderlich |
| 3 | Erddr | VERÃND1 | veränderlich |

## Lastgruppen (Eurocode-A)

| | *Gruppe* | *Typ* | $\gamma_{G,sup}$ | $\gamma_{G,inf}$ | $\xi$ | $\gamma$ | $\Psi_0$ | $\Psi_1$ | $\Psi_2$ | *Additive* |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | STÃND1 | ständig | 1,350 | 1,000 | | | | | | 1 |
| 2 | VERÃND1 | veränderlich | | | | 1,500 | 0,700 | 0,500 | 0,300 | 0 |

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AxisVM 11.0 R4a · Registrierter Benutzer: Not For Resale Version

**Projekt: Poolwand**
Bearbeiter: GSB / Derntl
Modell: **Poolwand_h.1.50.axs** 29.04.2013 Seite 11

## Lastkombinationen

| | *Name* | *Typ* | *EG1* | *Wasserdr* | *Erddr* | *Bemerkung* |
|---|---|---|---|---|---|---|
| 1 | 1. Lk | ULS | 1,35 | 1,50 | 0 | |
| 2 | 2. Lk | SLS Quasi-ständig | 1,00 | 1,00 | 0 | |

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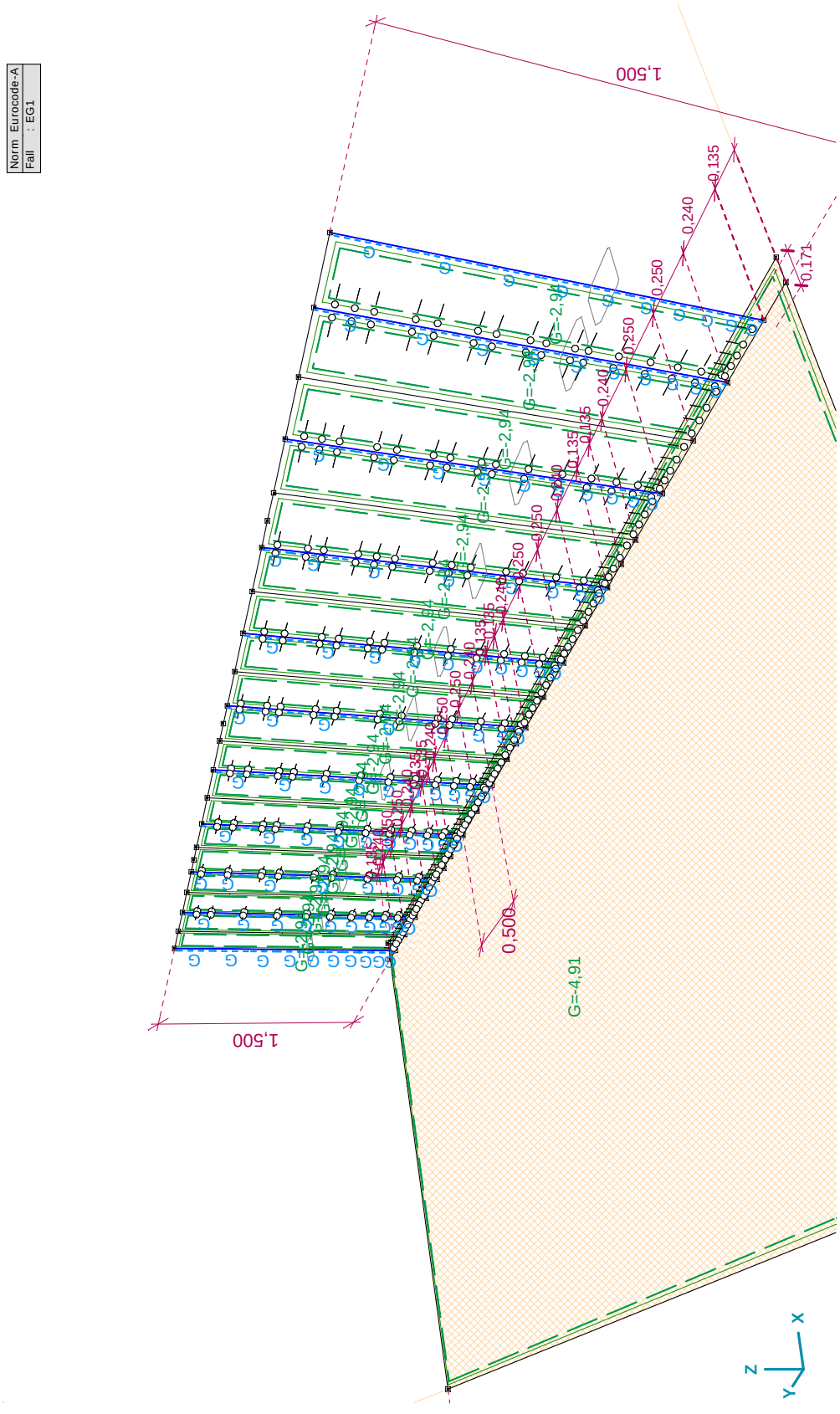
AxisVM 11.0 R4a · Registrierter Benutzer: Not For Resale Version

**Projekt: Poolwand**
Bearbeiter: GSB / Derntl
Modell: **Poolwand_h.1.50.axs**






*Lasten EG1*

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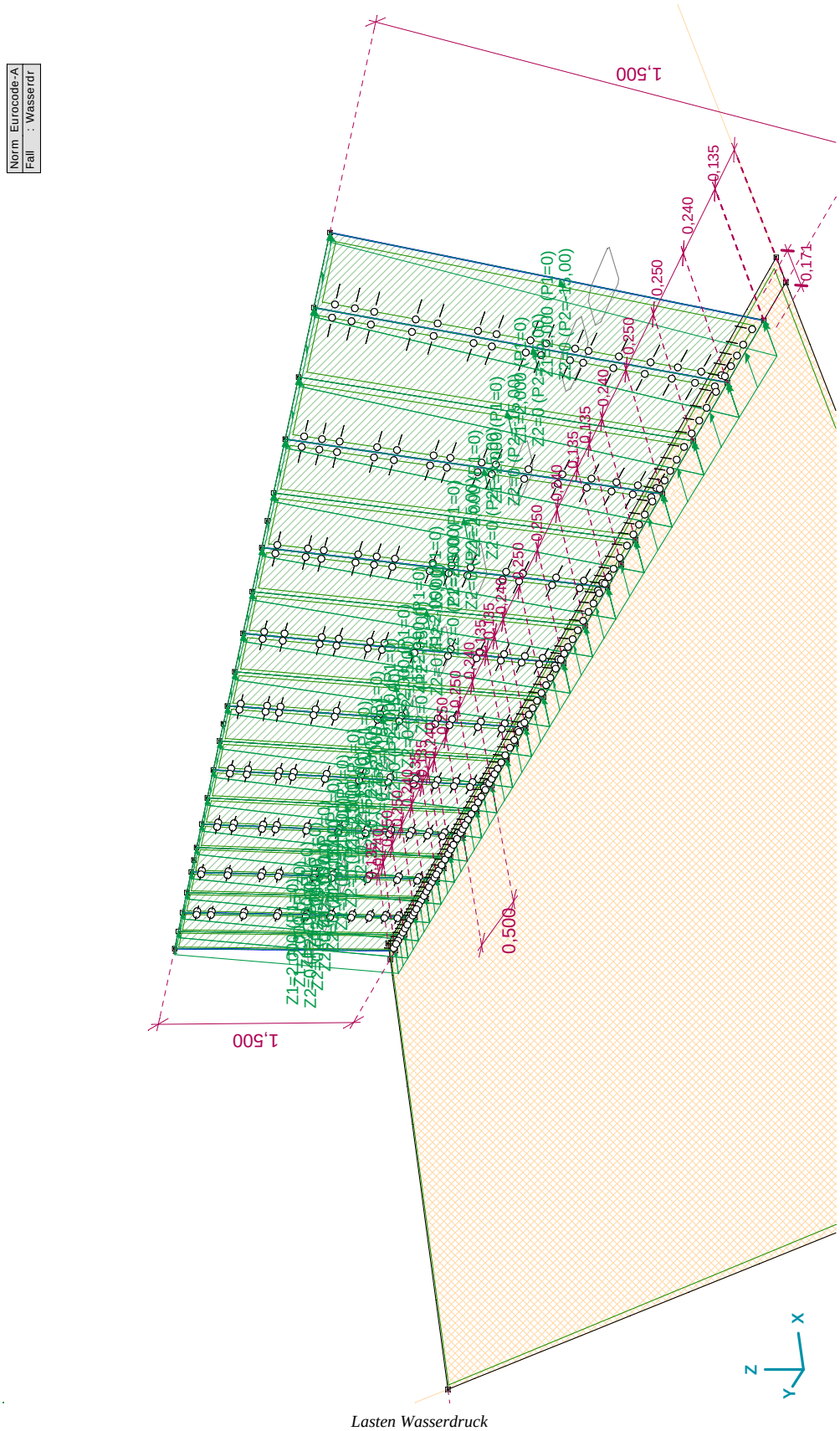
**Projekt: Poolwand**
Bearbeiter: GSB / Derntl
Modell: **Poolwand_h.1.50.axs** 29.04.2013 Seite 13




*Lasten Wasserdruck*

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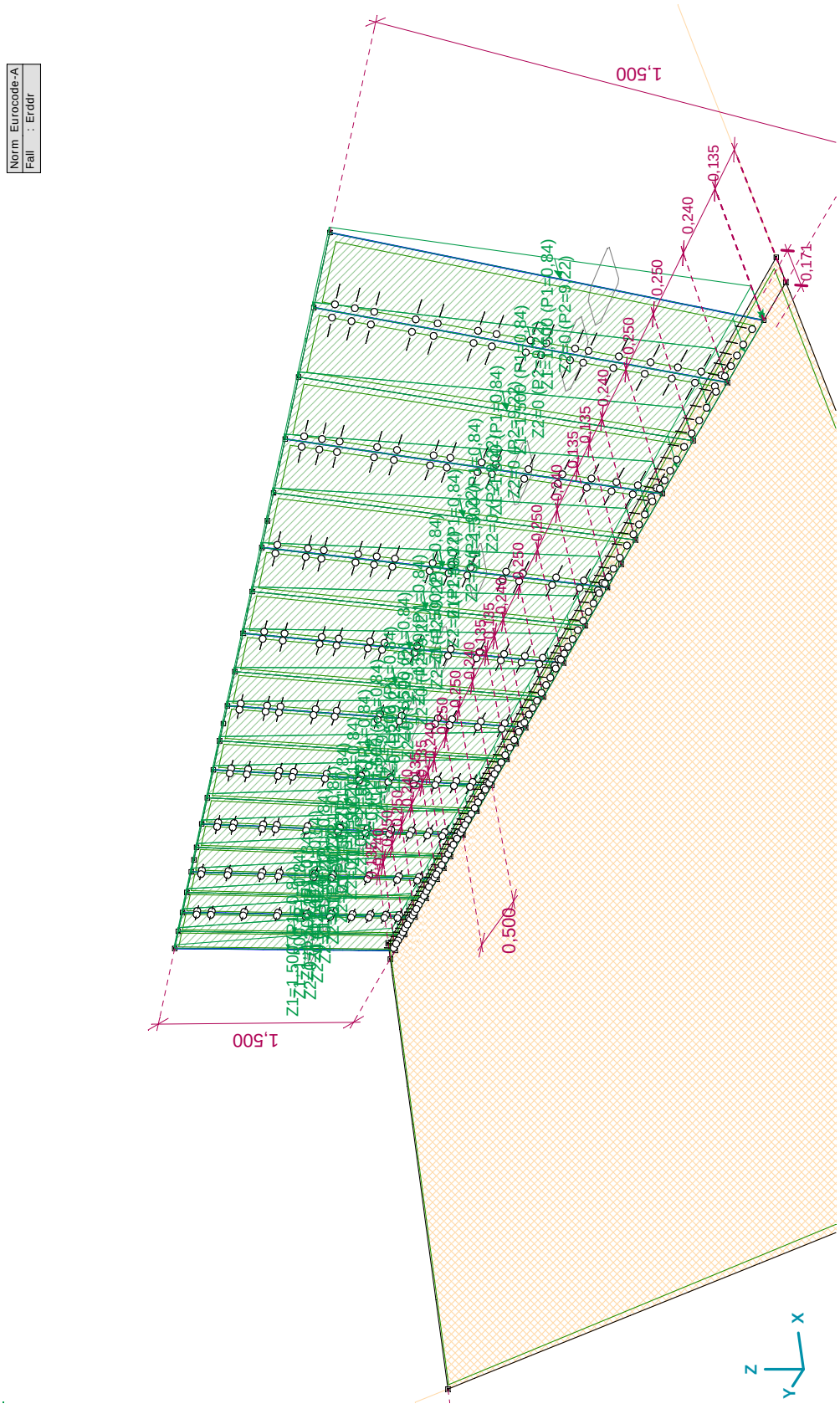
AxisVM 11.0 R4a · Registrierter Benutzer: Not For Resale Version

**Projekt: Poolwand**
Bearbeiter: GSB / Derntl
Modell: **Poolwand_h.1.50.axs**



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## Plattenbalkenverschiebungen [Linear, Maßgebend Min./Max.(SLS Quasi-ständig)]

| | *Pr.* | *K* | *min. max.* | *Abst. [m]* | *Knoten* | *ex [mm]* | *ey [mm]* | *ez [mm]* | *eR [mm]* |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | | | L=1,500 | | | | | |
| | | ex | min | 1,500 | (30) | **−0,634** | −0,007 | −0,172 | 0,657 |
| | | | max | 0 | (7) | **−0,794** | −0,001 | −0,133 | 0,805 |
| | | ey | min | 1,500 | (30) | −0,795 | **−0,007** | −1,026 | 1,298 |
| | | | max | 0 | (7) | −0,633 | **0** | 0,072 | 0,637 |
| | | ez | min | 1,500 | (30) | −0,795 | −0,007 | **−1,026** | 1,298 |
| | | | max | 0 | (7) | −0,633 | 0 | **0,072** | 0,637 |
| | | fx | min | 0,258 | (281) | −0,794 | −0,001 | −0,270 | 0,839 |
| | | | max | 0,258 | (281) | −0,633 | −0,001 | 0,021 | 0,634 |
| | | fy | min | 1,500 | (30) | −0,634 | −0,007 | −0,172 | 0,657 |
| | | | max | 1,500 | (30) | −0,795 | −0,007 | −1,026 | 1,298 |
| | | fz | min | 0,500 | (283) | −0,795 | −0,003 | −0,409 | 0,894 |
| | | | max | 0 | (7) | −0,633 | 0 | 0,072 | 0,637 |
| 2 | 2 | | | L=1,500 | | | | | |
| | | ex | min | 1,500 | (36) | **−0,628** | −0,007 | −0,142 | 0,644 |
| | | | max | 0 | (13) | **−0,789** | 0 | −0,134 | 0,800 |
| | | ey | min | 1,500 | (36) | −0,789 | **−0,008** | −1,071 | 1,331 |
| | | | max | 0 | (13) | −0,628 | **0** | 0,072 | 0,632 |
| | | ez | min | 1,500 | (36) | −0,789 | −0,008 | **−1,071** | 1,331 |
| | | | max | 0 | (13) | −0,628 | 0 | **0,072** | 0,632 |
| | | fx | min | 0 | (13) | −0,628 | 0 | 0,072 | 0,632 |
| | | | max | 0 | (13) | −0,789 | 0 | −0,134 | 0,800 |
| | | fy | min | 1,288 | | −0,628 | −0,006 | −0,114 | 0,639 |
| | | | max | 1,383 | (174) | −0,789 | −0,007 | −0,995 | 1,270 |
| | | fz | min | 0,175 | (169) | −0,628 | −0,001 | 0,041 | 0,629 |
| | | | max | 0 | (13) | −0,789 | 0 | −0,134 | 0,800 |
| 3 | 2 | | | L=1,500 | | | | | |
| | | ex | min | 1,500 | (40) | **−0,624** | −0,007 | −0,133 | 0,638 |
| | | | max | 0 | (17) | **−0,784** | 0 | −0,134 | 0,795 |

| | *Pr.* | *K* | *min. max.* | *Abst. [m]* | *Knoten* | *fx [rad]* | *fy [rad]* | *fz [rad]* | *fR [rad]* | *Maßgebende Kombination* |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | | | L=1,500 | | | | | | |
| | | ex | min | 1,500 | (30) | 0,00002 | 0,00015 | 0 | 0,00015 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (7) | −0,00001 | 0,00049 | 0 | 0,00049 | [EG1] {0,3*Wasserdr} |
| | | ey | min | 1,500 | (30) | −0,00004 | 0,00063 | 0 | 0,00063 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (7) | 0,00001 | 0,00021 | 0 | 0,00022 | [EG1] {0,3*Erddr} |
| | | ez | min | 1,500 | (30) | −0,00004 | 0,00063 | 0 | 0,00063 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (7) | 0,00001 | 0,00021 | 0 | 0,00022 | [EG1] {0,3*Erddr} |
| | | fx | min | 0,258 | (281) | **−0,00002** | 0,00055 | 0 | 0,00056 | [EG1] {0,3*Wasserdr} |
| | | | max | 0,258 | (281) | **0,00001** | 0,00018 | 0 | 0,00018 | [EG1] {0,3*Erddr} |
| | | fy | min | 1,500 | (30) | 0,00002 | **0,00015** | 0 | 0,00015 | [EG1] {0,3*Erddr} |
| | | | max | 1,500 | (30) | −0,00004 | **0,00063** | 0 | 0,00063 | [EG1] {0,3*Wasserdr} |
| | | fz | min | 0,500 | (283) | −0,00002 | 0,00059 | **0** | 0,00059 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (7) | 0,00001 | 0,00021 | **0** | 0,00022 | [EG1] {0,3*Erddr} |
| 2 | 2 | | | L=1,500 | | | | | | |
| | | ex | min | 1,500 | (36) | 0 | 0,00013 | 0 | 0,00013 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (13) | 0 | 0,00050 | 0 | 0,00050 | [EG1] {0,3*Wasserdr} |
| | | ey | min | 1,500 | (36) | 0 | 0,00065 | 0 | 0,00065 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (13) | 0 | 0,00020 | 0 | 0,00020 | [EG1] {0,3*Erddr} |
| | | ez | min | 1,500 | (36) | 0 | 0,00065 | 0 | 0,00065 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (13) | 0 | 0,00020 | 0 | 0,00020 | [EG1] {0,3*Erddr} |
| | | fx | min | 0 | (13) | **0** | 0,00020 | 0 | 0,00020 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (13) | **0** | 0,00050 | 0 | 0,00050 | [EG1] {0,3*Wasserdr} |
| | | fy | min | 1,288 | | 0 | **0,00013** | 0 | 0,00013 | [EG1] {0,3*Erddr} |
| | | | max | 1,383 | (174) | 0 | **0,00065** | 0 | 0,00065 | [EG1] {0,3*Wasserdr} |
| | | fz | min | 0,175 | (169) | 0 | 0,00017 | **0** | 0,00017 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (13) | 0 | 0,00050 | **0** | 0,00050 | [EG1] {0,3*Wasserdr} |
| 3 | 2 | | | L=1,500 | | | | | | |
| | | ex | min | 1,500 | (40) | 0 | 0,00013 | 0 | 0,00013 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (17) | 0 | 0,00049 | −0,00001 | 0,00049 | [EG1] {0,3*Wasserdr} |

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## Plattenbalkenverschiebungen [Linear, Maßgebend Min./Max.(SLS Quasi-ständig)]

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *ex* *[mm]* | *ey* *[mm]* | *ez* *[mm]* | *eR* *[mm]* |
|---|---|---|---|---|---|---|---|---|---|
| | | ey | min | 1,500 | (40) | −0,784 | **−0,008** | −1,078 | 1,333 |
| | | | max | 0 | (17) | −0,623 | **0** | 0,072 | 0,627 |
| | | ez | min | 1,500 | (40) | −0,784 | −0,008 | **−1,078** | 1,333 |
| | | | max | 0 | (17) | −0,623 | 0 | **0,072** | 0,627 |
| | | fx | min | 0 | (17) | −0,623 | 0 | 0,072 | 0,627 |
| | | | max | 0 | (17) | −0,784 | 0 | −0,134 | 0,795 |
| | | fy | min | 1,286 | | −0,624 | −0,006 | −0,106 | 0,633 |
| | | | max | 1,441 | | −0,784 | −0,008 | −1,039 | 1,302 |
| | | fz | min | 0,437 | | −0,623 | −0,002 | 0,003 | 0,623 |
| | | | max | 1,500 | (40) | −0,784 | −0,008 | −1,078 | 1,333 |
| 4 | 2 | | | L=1,500 | | | | | |
| | | ex | min | 1,500 | (48) | **−0,617** | −0,007 | −0,133 | 0,631 |
| | | | max | 0 | (25) | **−0,775** | 0 | −0,134 | 0,787 |
| | | ey | min | 1,500 | (48) | −0,776 | **−0,008** | −1,067 | 1,319 |
| | | | max | 0 | (25) | −0,775 | **0** | −0,134 | 0,787 |
| | | ez | min | 1,500 | (48) | −0,776 | −0,008 | **−1,067** | 1,319 |
| | | | max | 0 | (25) | −0,616 | 0 | **0,072** | 0,620 |
| | | fx | min | 0 | (25) | −0,616 | 0 | 0,072 | 0,620 |
| | | | max | 0,718 | | −0,776 | −0,004 | −0,562 | 0,958 |
| | | fy | min | 1,288 | | −0,616 | −0,006 | −0,106 | 0,626 |
| | | | max | 1,441 | | −0,776 | −0,008 | −1,029 | 1,289 |
| | | fz | min | 1,500 | (48) | −0,617 | −0,007 | −0,133 | 0,631 |
| | | | max | 0,035 | | −0,775 | 0 | −0,152 | 0,790 |
| 5 | 2 | | | L=1,500 | | | | | |
| | | ex | min | 1,500 | (52) | **−0,611** | −0,007 | −0,147 | 0,629 |
| | | | max | 0 | (29) | **−0,769** | 0 | −0,133 | 0,780 |
| | | ey | min | 1,500 | (52) | −0,770 | **−0,009** | −1,039 | 1,293 |
| | | | max | 0 | (29) | −0,769 | **0** | −0,133 | 0,780 |
| | | ez | min | 1,500 | (52) | −0,770 | −0,009 | **−1,039** | 1,293 |

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *fx* *[rad]* | *fy* *[rad]* | *fz* *[rad]* | *fR* *[rad]* | *Maßgebende Kombination* |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ey | min | 1,500 | (40) | 0 | 0,00066 | −0,00001 | 0,00066 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (17) | 0 | 0,00020 | 0 | 0,00020 | [EG1] {0,3*Erddr} |
| | | ez | min | 1,500 | (40) | 0 | 0,00066 | −0,00001 | 0,00066 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (17) | 0 | 0,00020 | 0 | 0,00020 | [EG1] {0,3*Erddr} |
| | | fx | min | 0 | (17) | **0** | 0,00020 | 0 | 0,00020 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (17) | **0** | 0,00049 | −0,00001 | 0,00049 | [EG1] {0,3*Wasserdr} |
| | | fy | min | 1,286 | | 0 | **0,00013** | 0 | 0,00013 | [EG1] {0,3*Erddr} |
| | | | max | 1,441 | | 0 | **0,00066** | −0,00001 | 0,00066 | [EG1] {0,3*Wasserdr} |
| | | fz | min | 0,437 | | 0 | 0,00014 | **0** | 0,00014 | [EG1] {0,3*Erddr} |
| | | | max | 1,500 | (40) | 0 | 0,00066 | **−0,00001** | 0,00066 | [EG1] {0,3*Wasserdr} |
| 4 | 2 | | | L=1,500 | | | | | | |
| | | ex | min | 1,500 | (48) | 0 | 0,00013 | −0,00001 | 0,00013 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (25) | 0 | 0,00049 | −0,00001 | 0,00049 | [EG1] {0,3*Wasserdr} |
| | | ey | min | 1,500 | (48) | 0 | 0,00065 | −0,00001 | 0,00065 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (25) | 0 | 0,00049 | −0,00001 | 0,00049 | [EG1] {0,3*Wasserdr} |
| | | ez | min | 1,500 | (48) | 0 | 0,00065 | −0,00001 | 0,00065 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (25) | 0 | 0,00020 | −0,00001 | 0,00020 | [EG1] {0,3*Erddr} |
| | | fx | min | 0 | (25) | **0** | 0,00020 | −0,00001 | 0,00020 | [EG1] {0,3*Erddr} |
| | | | max | 0,718 | | **0** | 0,00064 | −0,00001 | 0,00064 | [EG1] {0,3*Wasserdr} |
| | | fy | min | 1,288 | | 0 | **0,00013** | −0,00001 | 0,00013 | [EG1] {0,3*Erddr} |
| | | | max | 1,441 | | 0 | **0,00065** | −0,00001 | 0,00065 | [EG1] {0,3*Wasserdr} |
| | | fz | min | 1,500 | (48) | 0 | 0,00013 | **−0,00001** | 0,00013 | [EG1] {0,3*Erddr} |
| | | | max | 0,035 | | 0 | 0,00051 | **−0,00001** | 0,00051 | [EG1] {0,3*Wasserdr} |
| 5 | 2 | | | L=1,500 | | | | | | |
| | | ex | min | 1,500 | (52) | −0,00002 | 0,00013 | −0,00001 | 0,00013 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (29) | 0,00002 | 0,00048 | −0,00001 | 0,00049 | [EG1] {0,3*Wasserdr} |
| | | ey | min | 1,500 | (52) | 0,00003 | 0,00064 | −0,00001 | 0,00064 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (29) | 0,00002 | 0,00048 | −0,00001 | 0,00049 | [EG1] {0,3*Wasserdr} |
| | | ez | min | 1,500 | (52) | 0,00003 | 0,00064 | −0,00001 | 0,00064 | [EG1] {0,3*Wasserdr} |

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## Plattenbalkenverschiebungen [Linear, Maßgebend Min./Max.(SLS Quasi-ständig)]

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *ex* *[mm]* | *ey* *[mm]* | *ez* *[mm]* | *eR* *[mm]* |
|---|---|---|---|---|---|---|---|---|---|
| | | | max | 0 | (29) | −0,610 | 0 | **0,072** | 0,615 |
| | | fx | min | 1,500 | (52) | −0,611 | −0,007 | −0,147 | 0,629 |
| | | | max | 1,500 | (52) | −0,770 | −0,009 | −1,039 | 1,293 |
| | | fy | min | 1,500 | (52) | −0,611 | −0,007 | −0,147 | 0,629 |
| | | | max | 1,500 | (52) | −0,770 | −0,009 | −1,039 | 1,293 |
| | | fz | min | 0 | (29) | −0,610 | 0 | 0,072 | 0,615 |
| | | | max | 0,503 | (213) | −0,769 | −0,003 | −0,413 | 0,873 |
| 6 | 1 | | | L=1,500 | | | | | |
| | | ex | min | 1,500 | (31) | **−0,633** | −0,007 | −0,167 | 0,655 |
| | | | max | 0 | (8) | **−0,793** | 0 | −0,134 | 0,804 |
| | | ey | min | 1,500 | (31) | −0,794 | **−0,007** | −1,035 | 1,305 |
| | | | max | 0 | (8) | −0,632 | **0** | 0,072 | 0,636 |
| | | ez | min | 1,500 | (31) | −0,794 | −0,007 | **−1,035** | 1,305 |
| | | | max | 0 | (8) | −0,632 | 0 | **0,072** | 0,636 |
| | | fx | min | 0,317 | | −0,632 | −0,002 | 0,013 | 0,633 |
| | | | max | 0,317 | | −0,793 | −0,002 | −0,307 | 0,851 |
| | | fy | min | 1,500 | (31) | −0,633 | −0,007 | −0,167 | 0,655 |
| | | | max | 1,500 | (31) | −0,794 | −0,007 | −1,035 | 1,305 |
| | | fz | min | 0,439 | | −0,633 | −0,002 | −0,007 | 0,633 |
| | | | max | 0 | (8) | −0,793 | 0 | −0,134 | 0,804 |
| 7 | 1 | | | L=1,500 | | | | | |
| | | ex | min | 1,500 | (33) | **−0,631** | −0,007 | −0,152 | 0,649 |
| | | | max | 0 | (10) | **−0,791** | 0 | −0,134 | 0,802 |
| | | ey | min | 1,500 | (33) | −0,792 | **−0,007** | −1,059 | 1,322 |
| | | | max | 0 | (10) | −0,630 | **0** | 0,072 | 0,634 |
| | | ez | min | 1,500 | (33) | −0,792 | −0,007 | **−1,059** | 1,322 |
| | | | max | 0 | (10) | −0,630 | 0 | **0,072** | 0,634 |
| | | fx | min | 0,211 | | −0,630 | −0,001 | 0,034 | 0,631 |
| | | | max | 0,162 | (231) | −0,791 | −0,001 | −0,222 | 0,822 |

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *fx* *[rad]* | *fy* *[rad]* | *fz* *[rad]* | *fR* *[rad]* | *Maßgebende Kombination* |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | max | 0 | (29) | −0,00001 | 0,00020 | −0,00001 | 0,00020 | [EG1] {0,3*Erddr} |
| | | fx | min | 1,500 | (52) | **−0,00002** | 0,00013 | −0,00001 | 0,00013 | [EG1] {0,3*Erddr} |
| | | | max | 1,500 | (52) | **0,00003** | 0,00064 | −0,00001 | 0,00064 | [EG1] {0,3*Wasserdr} |
| | | fy | min | 1,500 | (52) | −0,00002 | **0,00013** | −0,00001 | 0,00013 | [EG1] {0,3*Erddr} |
| | | | max | 1,500 | (52) | 0,00003 | **0,00064** | −0,00001 | 0,00064 | [EG1] {0,3*Wasserdr} |
| | | fz | min | 0 | (29) | −0,00001 | 0,00020 | **−0,00001** | 0,00020 | [EG1] {0,3*Erddr} |
| | | | max | 0,503 | (213) | 0,00003 | 0,00060 | **−0,00001** | 0,00060 | [EG1] {0,3*Wasserdr} |
| 6 | 1 | | | L=1,500 | | | | | | |
| | | ex | min | 1,500 | (31) | 0 | 0,00015 | 0 | 0,00015 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (8) | 0 | 0,00050 | 0 | 0,00050 | [EG1] {0,3*Wasserdr} |
| | | ey | min | 1,500 | (31) | 0 | 0,00063 | 0 | 0,00063 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (8) | 0 | 0,00021 | 0 | 0,00021 | [EG1] {0,3*Erddr} |
| | | ez | min | 1,500 | (31) | 0 | 0,00063 | 0 | 0,00063 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (8) | 0 | 0,00021 | 0 | 0,00021 | [EG1] {0,3*Erddr} |
| | | fx | min | 0,317 | | **0** | 0,00017 | 0 | 0,00017 | [EG1] {0,3*Erddr} |
| | | | max | 0,317 | | **0** | 0,00057 | 0 | 0,00057 | [EG1] {0,3*Wasserdr} |
| | | fy | min | 1,500 | (31) | 0 | **0,00015** | 0 | 0,00015 | [EG1] {0,3*Erddr} |
| | | | max | 1,500 | (31) | 0 | **0,00063** | 0 | 0,00063 | [EG1] {0,3*Wasserdr} |
| | | fz | min | 0,439 | | 0 | 0,00016 | **0** | 0,00016 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (8) | 0 | 0,00050 | **0** | 0,00050 | [EG1] {0,3*Wasserdr} |
| 7 | 1 | | | L=1,500 | | | | | | |
| | | ex | min | 1,500 | (33) | 0 | 0,00014 | 0 | 0,00014 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (10) | 0 | 0,00050 | 0 | 0,00050 | [EG1] {0,3*Wasserdr} |
| | | ey | min | 1,500 | (33) | 0 | 0,00064 | 0 | 0,00064 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (10) | 0 | 0,00020 | 0 | 0,00020 | [EG1] {0,3*Erddr} |
| | | ez | min | 1,500 | (33) | 0 | 0,00064 | 0 | 0,00064 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (10) | 0 | 0,00020 | 0 | 0,00020 | [EG1] {0,3*Erddr} |
| | | fx | min | 0,211 | | **0** | 0,00017 | 0 | 0,00017 | [EG1] {0,3*Erddr} |
| | | | max | 0,162 | (231) | **0** | 0,00056 | 0 | 0,00056 | [EG1] {0,3*Wasserdr} |

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## Plattenbalkenverschiebungen [Linear, Maßgebend Min./Max.(SLS Quasi-ständig)]

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *ex* *[mm]* | *ey* *[mm]* | *ez* *[mm]* | *eR* *[mm]* |
|---|---|---|---|---|---|---|---|---|---|
| | | fy | min | 1,371 | | −0,631 | −0,006 | −0,134 | 0,645 |
| | | | max | 1,500 | (33) | −0,792 | −0,007 | −1,059 | 1,322 |
| | | fz | min | 0 | (10) | −0,630 | 0 | 0,072 | 0,634 |
| | | | max | 0 | (10) | −0,791 | 0 | −0,134 | 0,802 |
| 8 | 1 | | | L=1,500 | | | | | |
| | | ex | min | 1,500 | (38) | **−0,626** | −0,007 | −0,137 | 0,641 |
| | | | max | 0 | (15) | **−0,786** | 0 | −0,134 | 0,798 |
| | | ey | min | 1,500 | (38) | −0,787 | **−0,008** | −1,075 | 1,332 |
| | | | max | 0 | (15) | −0,625 | **0** | 0,072 | 0,629 |
| | | ez | min | 1,500 | (38) | −0,787 | −0,008 | **−1,075** | 1,332 |
| | | | max | 0 | (15) | −0,625 | 0 | **0,072** | 0,629 |
| | | fx | min | 0,114 | | −0,625 | −0,001 | 0,052 | 0,628 |
| | | | max | 0,114 | | −0,786 | −0,001 | −0,195 | 0,810 |
| | | fy | min | 1,368 | | −0,626 | −0,007 | −0,120 | 0,638 |
| | | | max | 1,500 | (38) | −0,787 | −0,008 | −1,075 | 1,332 |
| | | fz | min | 0 | (15) | −0,625 | 0 | 0,072 | 0,629 |
| | | | max | 0 | (15) | −0,786 | 0 | −0,134 | 0,798 |
| 9 | 1 | | | L=1,500 | | | | | |
| | | ex | min | 1,500 | (43) | **−0,621** | −0,007 | −0,131 | 0,635 |
| | | | max | 0 | (20) | **−0,781** | 0 | −0,134 | 0,792 |
| | | ey | min | 1,500 | (43) | −0,782 | **−0,008** | −1,076 | 1,330 |
| | | | max | 0 | (20) | −0,781 | **0** | −0,134 | 0,792 |
| | | ez | min | 1,500 | (43) | −0,782 | −0,008 | **−1,076** | 1,330 |
| | | | max | 0 | (20) | −0,621 | 0 | **0,072** | 0,625 |
| | | fx | min | 0,075 | (126) | −0,621 | 0 | 0,058 | 0,623 |
| | | | max | 0,075 | (126) | −0,781 | 0 | −0,174 | 0,800 |
| | | fy | min | 1,371 | | −0,621 | −0,007 | −0,115 | 0,632 |
| | | | max | 1,500 | (43) | −0,782 | −0,008 | −1,076 | 1,330 |
| | | fz | min | 0 | (20) | −0,621 | 0 | 0,072 | 0,625 |

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *fx* *[rad]* | *fy* *[rad]* | *fz* *[rad]* | *fR* *[rad]* | *Maßgebende Kombination* |
|---|---|---|---|---|---|---|---|---|---|---|
| | | fy | min | 1,371 | | 0 | **0,00014** | 0 | 0,00014 | [EG1] {0,3*Erddr} |
| | | | max | 1,500 | (33) | 0 | **0,00064** | 0 | 0,00064 | [EG1] {0,3*Wasserdr} |
| | | fz | min | 0 | (10) | 0 | 0,00020 | **0** | 0,00020 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (10) | 0 | 0,00050 | **0** | 0,00050 | [EG1] {0,3*Wasserdr} |
| 8 | 1 | | | L=1,500 | | | | | | |
| | | ex | min | 1,500 | (38) | 0 | 0,00013 | 0 | 0,00013 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (15) | 0 | 0,00050 | 0 | 0,00050 | [EG1] {0,3*Wasserdr} |
| | | ey | min | 1,500 | (38) | 0 | 0,00065 | −0,00001 | 0,00065 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (15) | 0 | 0,00020 | 0 | 0,00020 | [EG1] {0,3*Erddr} |
| | | ez | min | 1,500 | (38) | 0 | 0,00065 | −0,00001 | 0,00065 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (15) | 0 | 0,00020 | 0 | 0,00020 | [EG1] {0,3*Erddr} |
| | | fx | min | 0,114 | | **0** | 0,00017 | 0 | 0,00017 | [EG1] {0,3*Erddr} |
| | | | max | 0,114 | | **0** | 0,00055 | 0 | 0,00055 | [EG1] {0,3*Wasserdr} |
| | | fy | min | 1,368 | | 0 | **0,00013** | 0 | 0,00013 | [EG1] {0,3*Erddr} |
| | | | max | 1,500 | (38) | 0 | **0,00065** | −0,00001 | 0,00065 | [EG1] {0,3*Wasserdr} |
| | | fz | min | 0 | (15) | 0 | 0,00020 | **0** | 0,00020 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (15) | 0 | 0,00050 | **0** | 0,00050 | [EG1] {0,3*Wasserdr} |
| 9 | 1 | | | L=1,500 | | | | | | |
| | | ex | min | 1,500 | (43) | 0 | 0,00012 | 0 | 0,00012 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (20) | 0 | 0,00050 | 0 | 0,00050 | [EG1] {0,3*Wasserdr} |
| | | ey | min | 1,500 | (43) | 0 | 0,00066 | −0,00001 | 0,00066 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (20) | 0 | 0,00050 | 0 | 0,00050 | [EG1] {0,3*Wasserdr} |
| | | ez | min | 1,500 | (43) | 0 | 0,00066 | −0,00001 | 0,00066 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (20) | 0 | 0,00020 | −0,00001 | 0,00020 | [EG1] {0,3*Erddr} |
| | | fx | min | 0,075 | (126) | **0** | 0,00018 | 0 | 0,00018 | [EG1] {0,3*Erddr} |
| | | | max | 0,075 | (126) | **0** | 0,00053 | −0,00001 | 0,00053 | [EG1] {0,3*Wasserdr} |
| | | fy | min | 1,371 | | 0 | **0,00012** | 0 | 0,00012 | [EG1] {0,3*Erddr} |
| | | | max | 1,500 | (43) | 0 | **0,00066** | −0,00001 | 0,00066 | [EG1] {0,3*Wasserdr} |
| | | fz | min | 0 | (20) | 0 | 0,00020 | **−0,00001** | 0,00020 | [EG1] {0,3*Erddr} |

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## Plattenbalkenverschiebungen [Linear, Maßgebend Min./Max.(SLS Quasi-ständig)]

| | *Pr.* | *K* | *min. max.* | *Abst. [m]* | *Knoten* | *ex [mm]* | *ey [mm]* | *ez [mm]* | *eR [mm]* |
|---|---|---|---|---|---|---|---|---|---|
| | | | max | 0 | (20) | −0,781 | 0 | −0,134 | 0,792 |
| 10 | 1 | | | L=1,500 | | | | | |
| | | ex | min | 1,500 | (45) | **−0,619** | −0,007 | −0,131 | 0,633 |
| | | | max | 0 | (22) | **−0,778** | 0 | −0,134 | 0,790 |
| | | ey | min | 1,500 | (45) | −0,779 | **−0,008** | −1,073 | 1,326 |
| | | | max | 0 | (22) | −0,778 | **0** | −0,134 | 0,790 |
| | | ez | min | 1,500 | (45) | −0,779 | −0,008 | **−1,073** | 1,326 |
| | | | max | 0 | (22) | −0,618 | 0 | **0,072** | 0,622 |
| | | fx | min | 0,038 | | −0,618 | 0 | 0,065 | 0,622 |
| | | | max | 0,038 | | −0,778 | 0 | −0,154 | 0,793 |
| | | fy | min | 1,371 | | −0,619 | −0,007 | −0,115 | 0,630 |
| | | | max | 1,500 | (45) | −0,779 | −0,008 | −1,073 | 1,326 |
| | | fz | min | 0 | (22) | −0,618 | 0 | 0,072 | 0,622 |
| | | | max | 0 | (22) | −0,778 | 0 | −0,134 | 0,790 |
| 11 | 1 | | | L=1,500 | | | | | |
| | | ex | min | 1,500 | (50) | **−0,614** | −0,007 | −0,139 | 0,629 |
| | | | max | 0 | (27) | **−0,772** | 0 | −0,134 | 0,784 |
| | | ey | min | 1,500 | (50) | −0,773 | **−0,009** | −1,055 | 1,308 |
| | | | max | 0 | (27) | −0,772 | **0** | −0,134 | 0,784 |
| | | ez | min | 1,500 | (50) | −0,773 | −0,009 | **−1,055** | 1,308 |
| | | | max | 0 | (27) | −0,613 | 0 | **0,072** | 0,617 |
| | | fx | min | 0,072 | (187) | −0,613 | 0 | 0,059 | 0,616 |
| | | | max | 0 | (27) | −0,772 | 0 | −0,134 | 0,784 |
| | | fy | min | 1,500 | (50) | −0,614 | −0,007 | −0,139 | 0,629 |
| | | | max | 1,500 | (50) | −0,773 | −0,009 | −1,055 | 1,308 |
| | | fz | min | 0 | (27) | −0,613 | 0 | 0,072 | 0,617 |
| | | | max | 0,724 | | −0,773 | −0,004 | −0,559 | 0,954 |
| Ext. | | | | | | | | | |
| 1 | 2 | ex | min | 0 | (7) | **−0,794** | −0,001 | −0,133 | 0,805 |

| | *Pr.* | *K* | *min. max.* | *Abst. [m]* | *Knoten* | *fx [rad]* | *fy [rad]* | *fz [rad]* | *fR [rad]* | *Maßgebende Kombination* |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | max | 0 | (20) | 0 | 0,00050 | **0** | 0,00050 | [EG1] {0,3*Wasserdr} |
| 10 | 1 | | | L=1,500 | | | | | | |
| | | ex | min | 1,500 | (45) | 0 | 0,00012 | 0 | 0,00012 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (22) | 0 | 0,00049 | −0,00001 | 0,00049 | [EG1] {0,3*Wasserdr} |
| | | ey | min | 1,500 | (45) | 0 | 0,00065 | −0,00001 | 0,00065 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (22) | 0 | 0,00049 | −0,00001 | 0,00049 | [EG1] {0,3*Wasserdr} |
| | | ez | min | 1,500 | (45) | 0 | 0,00065 | −0,00001 | 0,00065 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (22) | 0 | 0,00019 | −0,00001 | 0,00019 | [EG1] {0,3*Erddr} |
| | | fx | min | 0,038 | | **0** | 0,00018 | −0,00001 | 0,00018 | [EG1] {0,3*Erddr} |
| | | | max | 0,038 | | **0** | 0,00051 | −0,00001 | 0,00051 | [EG1] {0,3*Wasserdr} |
| | | fy | min | 1,371 | | 0 | **0,00012** | 0 | 0,00012 | [EG1] {0,3*Erddr} |
| | | | max | 1,500 | (45) | 0 | **0,00065** | −0,00001 | 0,00065 | [EG1] {0,3*Wasserdr} |
| | | fz | min | 0 | (22) | 0 | 0,00019 | **−0,00001** | 0,00019 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (22) | 0 | 0,00049 | **−0,00001** | 0,00049 | [EG1] {0,3*Wasserdr} |
| 11 | 1 | | | L=1,500 | | | | | | |
| | | ex | min | 1,500 | (50) | 0 | 0,00013 | −0,00001 | 0,00013 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (27) | 0 | 0,00049 | −0,00001 | 0,00049 | [EG1] {0,3*Wasserdr} |
| | | ey | min | 1,500 | (50) | 0 | 0,00064 | −0,00001 | 0,00064 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (27) | 0 | 0,00049 | −0,00001 | 0,00049 | [EG1] {0,3*Wasserdr} |
| | | ez | min | 1,500 | (50) | 0 | 0,00064 | −0,00001 | 0,00064 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (27) | 0 | 0,00020 | −0,00001 | 0,00020 | [EG1] {0,3*Erddr} |
| | | fx | min | 0,072 | (187) | **0** | 0,00018 | −0,00001 | 0,00018 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (27) | **0** | 0,00049 | −0,00001 | 0,00049 | [EG1] {0,3*Wasserdr} |
| | | fy | min | 1,500 | (50) | 0 | **0,00013** | −0,00001 | 0,00013 | [EG1] {0,3*Erddr} |
| | | | max | 1,500 | (50) | 0 | **0,00064** | −0,00001 | 0,00064 | [EG1] {0,3*Wasserdr} |
| | | fz | min | 0 | (27) | 0 | 0,00020 | **−0,00001** | 0,00020 | [EG1] {0,3*Erddr} |
| | | | max | 0,724 | | 0 | 0,00063 | **−0,00001** | 0,00063 | [EG1] {0,3*Wasserdr} |
| Ext. | | | | | | | | | | |
| 1 | 2 | ex | min | 0 | (7) | −0,00001 | 0,00049 | 0 | 0,00049 | [EG1] {0,3*Wasserdr} |

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## Plattenbalkenverschiebungen [Linear, Maßgebend Min./Max.(SLS Quasi-ständig)]

| | Pr. | K | min. max. | Abst. [m] | Knoten | ex [mm] | ey [mm] | ez [mm] | eR [mm] |
|---|---|---|---|---|---|---|---|---|---|
| 6 | 1 | | min | 0 | (8) | **−0,793** | 0 | −0,134 | 0,804 |
| 5 | 2 | | max | 1,500 | (52) | **−0,611** | −0,007 | −0,147 | 0,629 |
| 5 | 2 | ey | min | 1,500 | (52) | −0,770 | **−0,009** | −1,039 | 1,293 |
| 5 | 2 | | max | 0 | (29) | −0,769 | **0** | −0,133 | 0,780 |
| 3 | 2 | ez | min | 1,500 | (40) | −0,784 | −0,008 | **−1,078** | 1,333 |
| 2 | 2 | | max | 0 | (13) | −0,628 | 0 | **0,072** | 0,632 |
| 3 | 2 | | max | 0 | (17) | −0,623 | 0 | **0,072** | 0,627 |
| 4 | 2 | | max | 0 | (25) | −0,616 | 0 | **0,072** | 0,620 |
| 6 | 1 | | max | 0 | (8) | −0,632 | 0 | **0,072** | 0,636 |
| 7 | 1 | | max | 0 | (10) | −0,630 | 0 | **0,072** | 0,634 |
| 8 | 1 | | max | 0 | (15) | −0,625 | 0 | **0,072** | 0,629 |
| 9 | 1 | | max | 0 | (20) | −0,621 | 0 | **0,072** | 0,625 |
| 10 | 1 | | max | 0 | (22) | −0,618 | 0 | **0,072** | 0,622 |
| 11 | 1 | | max | 0 | (27) | −0,613 | 0 | **0,072** | 0,617 |
| 5 | 2 | eR | min | 0 | (29) | −0,610 | 0 | 0,072 | **0,615** |
| 3 | 2 | | max | 1,500 | (40) | −0,784 | −0,008 | −1,078 | **1,333** |
| 8 | 1 | | max | 1,500 | (38) | −0,787 | −0,008 | −1,075 | **1,332** |
| 1 | 2 | fx | min | 0,258 | (281) | −0,794 | −0,001 | −0,270 | 0,839 |
| 5 | 2 | | max | 1,500 | (52) | −0,770 | −0,009 | −1,039 | 1,293 |
| 9 | 1 | fy | min | 1,371 | | −0,621 | −0,007 | −0,115 | 0,632 |
| 10 | 1 | | min | 1,371 | | −0,619 | −0,007 | −0,115 | 0,630 |
| 3 | 2 | | max | 1,441 | | −0,784 | −0,008 | −1,039 | 1,302 |
| 9 | 1 | | max | 1,500 | (43) | −0,782 | −0,008 | −1,076 | 1,330 |
| 5 | 2 | fz | min | 0,503 | (213) | −0,769 | −0,003 | −0,413 | 0,873 |
| 11 | 1 | | min | 0,724 | | −0,773 | −0,004 | −0,559 | 0,954 |
| 6 | 1 | | max | 0 | (8) | −0,793 | 0 | −0,134 | 0,804 |
| 9 | 1 | fR | min | 1,371 | | −0,621 | −0,007 | −0,115 | 0,632 |
| 10 | 1 | | min | 1,371 | | −0,619 | −0,007 | −0,115 | 0,630 |
| 3 | 2 | | max | 1,441 | | −0,784 | −0,008 | −1,039 | 1,302 |
| 9 | 1 | | max | 1,500 | (43) | −0,782 | −0,008 | −1,076 | 1,330 |

| | Pr. | K | min. max. | Abst. [m] | Knoten | fx [rad] | fy [rad] | fz [rad] | fR [rad] | Maßgebende Kombination |
|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 1 | | min | 0 | (8) | 0 | 0,00050 | 0 | 0,00050 | [EG1] {0,3*Wasserdr} |
| 5 | 2 | | max | 1,500 | (52) | −0,00002 | 0,00013 | −0,00001 | 0,00013 | [EG1] {0,3*Erddr} |
| 5 | 2 | ey | min | 1,500 | (52) | 0,00003 | 0,00064 | −0,00001 | 0,00064 | [EG1] {0,3*Wasserdr} |
| 5 | 2 | | max | 0 | (29) | 0,00002 | 0,00048 | −0,00001 | 0,00049 | [EG1] {0,3*Wasserdr} |
| 3 | 2 | ez | min | 1,500 | (40) | 0 | 0,00066 | −0,00001 | 0,00066 | [EG1] {0,3*Wasserdr} |
| 2 | 2 | | max | 0 | (13) | 0 | 0,00020 | 0 | 0,00020 | [EG1] {0,3*Erddr} |
| 3 | 2 | | max | 0 | (17) | 0 | 0,00020 | 0 | 0,00020 | [EG1] {0,3*Erddr} |
| 4 | 2 | | max | 0 | (25) | 0 | 0,00020 | −0,00001 | 0,00020 | [EG1] {0,3*Erddr} |
| 6 | 1 | | max | 0 | (8) | 0 | 0,00021 | 0 | 0,00021 | [EG1] {0,3*Erddr} |
| 7 | 1 | | max | 0 | (10) | 0 | 0,00020 | 0 | 0,00020 | [EG1] {0,3*Erddr} |
| 8 | 1 | | max | 0 | (15) | 0 | 0,00020 | 0 | 0,00020 | [EG1] {0,3*Erddr} |
| 9 | 1 | | max | 0 | (20) | 0 | 0,00020 | −0,00001 | 0,00020 | [EG1] {0,3*Erddr} |
| 10 | 1 | | max | 0 | (22) | 0 | 0,00019 | −0,00001 | 0,00019 | [EG1] {0,3*Erddr} |
| 11 | 1 | | max | 0 | (27) | 0 | 0,00020 | −0,00001 | 0,00020 | [EG1] {0,3*Erddr} |
| 5 | 2 | eR | min | 0 | (29) | −0,00001 | 0,00020 | −0,00001 | 0,00020 | [EG1] {0,3*Erddr} |
| 3 | 2 | | max | 1,500 | (40) | 0 | 0,00066 | −0,00001 | 0,00066 | [EG1] {0,3*Wasserdr} |
| 8 | 1 | | max | 1,500 | (38) | 0 | 0,00065 | −0,00001 | 0,00065 | [EG1] {0,3*Wasserdr} |
| 1 | 2 | fx | min | 0,258 | (281) | **−0,00002** | 0,00055 | 0 | 0,00056 | [EG1] {0,3*Wasserdr} |
| 5 | 2 | | max | 1,500 | (52) | **0,00003** | 0,00064 | −0,00001 | 0,00064 | [EG1] {0,3*Wasserdr} |
| 9 | 1 | fy | min | 1,371 | | 0 | **0,00012** | 0 | 0,00012 | [EG1] {0,3*Erddr} |
| 10 | 1 | | min | 1,371 | | 0 | **0,00012** | 0 | 0,00012 | [EG1] {0,3*Erddr} |
| 3 | 2 | | max | 1,441 | | 0 | **0,00066** | −0,00001 | 0,00066 | [EG1] {0,3*Wasserdr} |
| 9 | 1 | | max | 1,500 | (43) | 0 | **0,00066** | −0,00001 | 0,00066 | [EG1] {0,3*Wasserdr} |
| 5 | 2 | fz | min | 0,503 | (213) | 0,00003 | 0,00060 | **−0,00001** | 0,00060 | [EG1] {0,3*Wasserdr} |
| 11 | 1 | | min | 0,724 | | 0 | 0,00063 | **−0,00001** | 0,00063 | [EG1] {0,3*Wasserdr} |
| 6 | 1 | | max | 0 | (8) | 0 | 0,00050 | **0** | 0,00050 | [EG1] {0,3*Wasserdr} |
| 9 | 1 | fR | min | 1,371 | | 0 | 0,00012 | 0 | **0,00012** | [EG1] {0,3*Erddr} |
| 10 | 1 | | min | 1,371 | | 0 | 0,00012 | 0 | **0,00012** | [EG1] {0,3*Erddr} |
| 3 | 2 | | max | 1,441 | | 0 | 0,00066 | −0,00001 | **0,00066** | [EG1] {0,3*Wasserdr} |
| 9 | 1 | | max | 1,500 | (43) | 0 | 0,00066 | −0,00001 | **0,00066** | [EG1] {0,3*Wasserdr} |

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## Plattenbalkenkräfte [Linear, Maßgebend Min./Max.(Alle ULS )]

| | Pr. | K | min. max. | Abst. [m] | Knoten | Nx [kN] | Vy [kN] | Vz [kN] |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | | | L=1,500 | | | | |
| | | Nx | min | 0 | (7) | **−4,286** | −1,403 | −4,386 |
| | | | max | 1,500 | (30) | **0,008** | 0,012 | −0,112 |
| | | Vy | min | 0 | (7) | −4,286 | **−1,403** | −4,386 |
| | | | max | 0,074 | (279) | −0,427 | **0,228** | 2,775 |
| | | Vz | min | 0,074 | (279) | −3,368 | −1,024 | **−5,458** |
| | | | max | 0,074 | (279) | −0,912 | 0,166 | **2,787** |
| | | Tx | min | 0,160 | (280) | −2,947 | −0,603 | −3,722 |
| | | | max | 0,160 | (280) | −0,937 | 0,121 | 1,923 |
| | | My | min | 0 | (7) | −0,899 | 0,117 | 2,202 |
| | | | max | 0 | (7) | −3,766 | −1,305 | −4,388 |
| | | MyBw | min | 0 | (7) | −0,899 | 0,117 | 2,202 |
| | | | max | 0 | (7) | −3,766 | −1,305 | −4,388 |
| | | Mz | min | 0 | (7) | −4,286 | −1,403 | −4,386 |
| | | | max | 0 | (7) | −0,379 | 0,215 | 2,199 |
| 2 | 2 | | | L=1,500 | | | | |
| | | Nx | min | 0,175 | (169) | **−1,151** | 0,004 | 5,142 |
| | | | max | 1,500 | (36) | **0,013** | 0,006 | 0,043 |
| | | Vy | min | 0 | (13) | −0,708 | **−0,087** | −23,044 |
| | | | max | 0 | (13) | −0,817 | **0,019** | 11,362 |
| | | Vz | min | 0 | (13) | −0,708 | −0,087 | **−23,044** |
| | | | max | 0 | (13) | −0,817 | 0,019 | **11,362** |
| | | Tx | min | 0 | (13) | −0,463 | −0,082 | −23,040 |
| | | | max | 0 | (13) | −0,817 | 0,019 | 11,362 |
| | | My | min | 0 | (13) | −0,817 | 0,019 | 11,362 |
| | | | max | 0 | (13) | −0,708 | −0,087 | −23,044 |
| | | MyBw | min | 0 | (13) | −0,817 | 0,019 | 11,362 |
| | | | max | 0 | (13) | −0,708 | −0,087 | −23,044 |
| | | Mz | min | 0 | (13) | −0,708 | −0,087 | −23,044 |
| | | | max | 0 | (13) | −0,817 | 0,019 | 11,362 |

| | Pr. | K | min. max. | Abst. [m] | Knoten | Tx [kNm] | My [kNm] | MyBw [kNm] | Mz [kNm] | Maßgebende Kombination |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | | | L=1,500 | | | | | | |
| | | Nx | min | 0 | (7) | 0,021 | 3,415 | 3,415 | −0,245 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 1,500 | (30) | −0,002 | −0,022 | −0,022 | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vy | min | 0 | (7) | 0,021 | 3,415 | 3,415 | −0,245 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0,074 | (279) | 0,060 | −1,285 | −1,285 | 0,037 | [EG1] {1,5*Erddr} |
| | | Vz | min | 0,074 | (279) | −0,115 | 2,634 | 2,634 | −0,144 | [EG1] {1,5*Wasserdr} |
| | | | max | 0,074 | (279) | 0,060 | −1,292 | −1,292 | 0,029 | [1,35*EG1] {1,5*Erddr} |
| | | Tx | min | 0,160 | (280) | **−0,190** | 2,148 | 2,148 | −0,073 | [EG1] {1,5*Wasserdr} |
| | | | max | 0,160 | (280) | **0,099** | −1,041 | −1,041 | 0,016 | [1,35*EG1] {1,5*Erddr} |
| | | My | min | 0 | (7) | −0,011 | **−1,688** | −1,688 | 0,040 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 0 | (7) | 0,021 | **3,422** | 3,422 | −0,231 | [EG1] {1,5*Wasserdr} |
| | | MyBw | min | 0 | (7) | −0,011 | −1,688 | **−1,688** | 0,040 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 0 | (7) | 0,021 | 3,422 | **3,422** | −0,231 | [EG1] {1,5*Wasserdr} |
| | | Mz | min | 0 | (7) | 0,021 | 3,415 | 3,415 | **−0,245** | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (7) | −0,011 | −1,680 | −1,680 | **0,053** | [EG1] {1,5*Erddr} |
| 2 | 2 | | | L=1,500 | | | | | | |
| | | Nx | min | 0,175 | (169) | 0 | −1,234 | −1,234 | 0,001 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 1,500 | (36) | 0 | −0,001 | −0,001 | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vy | min | 0 | (13) | 0 | 5,827 | 5,827 | −0,012 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (13) | 0 | −2,821 | −2,821 | 0,003 | [EG1] {1,5*Erddr} |
| | | Vz | min | 0 | (13) | 0 | 5,827 | 5,827 | −0,012 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (13) | 0 | −2,821 | −2,821 | 0,003 | [EG1] {1,5*Erddr} |
| | | Tx | min | 0 | (13) | **0** | 5,826 | 5,826 | −0,011 | [EG1] {1,5*Wasserdr} |
| | | | max | 0 | (13) | **0** | −2,821 | −2,821 | 0,003 | [EG1] {1,5*Erddr} |
| | | My | min | 0 | (13) | 0 | **−2,821** | −2,821 | 0,003 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (13) | 0 | **5,827** | 5,827 | −0,012 | [1,35*EG1] {1,5*Wasserdr} |
| | | MyBw | min | 0 | (13) | 0 | −2,821 | **−2,821** | 0,003 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (13) | 0 | 5,827 | **5,827** | −0,012 | [1,35*EG1] {1,5*Wasserdr} |
| | | Mz | min | 0 | (13) | 0 | 5,827 | 5,827 | **−0,012** | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (13) | 0 | −2,821 | −2,821 | **0,003** | [EG1] {1,5*Erddr} |

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## Plattenbalkenkräfte [Linear, Maßgebend Min./Max.(Alle ULS )]

| | *Pr.* | *K* | *min. max.* | *Abst. [m]* | *Knoten* | *Nx [kN]* | *Vy [kN]* | *Vz [kN]* |
|---|---|---|---|---|---|---|---|---|
| 3 | 2 | | | L=1,500 | | | | |
| | | Nx | min | 0,173 | (258) | **−1,137** | −0,058 | 5,375 |
| | | | max | 1,500 | (40) | **0,016** | 0,001 | 0,027 |
| | | Vy | min | 0 | (17) | −1,101 | **−0,242** | 11,793 |
| | | | max | 0 | (17) | −0,455 | **0,474** | −23,957 |
| | | Vz | min | 0 | (17) | −0,707 | 0,472 | **−23,962** |
| | | | max | 0 | (17) | −0,849 | −0,240 | **11,798** |
| | | Tx | min | 0 | (17) | −0,707 | 0,472 | −23,962 |
| | | | max | 0 | (17) | −0,849 | −0,240 | 11,798 |
| | | My | min | 0 | (17) | −0,849 | −0,240 | 11,798 |
| | | | max | 0 | (17) | −0,707 | 0,472 | −23,962 |
| | | MyBw | min | 0 | (17) | −0,849 | −0,240 | 11,798 |
| | | | max | 0 | (17) | −0,707 | 0,472 | −23,962 |
| | | Mz | min | 0 | (17) | −1,101 | −0,242 | 11,793 |
| | | | max | 0 | (17) | −0,455 | 0,474 | −23,957 |
| 4 | 2 | | | L=1,500 | | | | |
| | | Nx | min | 0,175 | (331) | **−1,141** | 0,006 | 5,156 |
| | | | max | 1,500 | (48) | **0,013** | −0,009 | 0,029 |
| | | Vy | min | 1,383 | (336) | −0,042 | **−0,010** | −0,087 |
| | | | max | 0 | (25) | −1,052 | **0,012** | 11,422 |
| | | Vz | min | 0 | (25) | −0,603 | 0,010 | **−23,256** |
| | | | max | 0 | (25) | −0,817 | 0,009 | **11,433** |
| | | Tx | min | 1,500 | (48) | −0,002 | 0,001 | −0,019 |
| | | | max | 1,500 | (48) | 0,012 | −0,009 | 0,029 |
| | | My | min | 0 | (25) | −0,817 | 0,009 | 11,433 |
| | | | max | 0 | (25) | −0,603 | 0,010 | −23,256 |
| | | MyBw | min | 0 | (25) | −0,817 | 0,009 | 11,433 |
| | | | max | 0 | (25) | −0,603 | 0,010 | −23,256 |
| | | Mz | min | 0,071 | (330) | −0,399 | 0 | −20,753 |

| | *Pr.* | *K* | *min. max.* | *Abst. [m]* | *Knoten* | *Tx [kNm]* | *My [kNm]* | *MyBw [kNm]* | *Mz [kNm]* | *Maßgebende Kombination* |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | 2 | | | L=1,500 | | | | | | |
| | | Nx | min | 0,173 | (258) | 0 | −1,300 | −1,300 | −0,004 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 1,500 | (40) | 0 | −0,001 | −0,001 | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vy | min | 0 | (17) | 0 | −2,929 | −2,929 | −0,029 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 0 | (17) | 0 | 6,058 | 6,058 | 0,057 | [EG1] {1,5*Wasserdr} |
| | | Vz | min | 0 | (17) | 0 | 6,059 | 6,059 | 0,057 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (17) | 0 | −2,931 | −2,931 | −0,029 | [EG1] {1,5*Erddr} |
| | | Tx | min | 0 | (17) | **0** | 6,059 | 6,059 | 0,057 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (17) | **0** | −2,931 | −2,931 | −0,029 | [EG1] {1,5*Erddr} |
| | | My | min | 0 | (17) | 0 | **−2,931** | −2,931 | −0,029 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (17) | 0 | **6,059** | 6,059 | 0,057 | [1,35*EG1] {1,5*Wasserdr} |
| | | MyBw | min | 0 | (17) | 0 | −2,931 | **−2,931** | −0,029 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (17) | 0 | 6,059 | **6,059** | 0,057 | [1,35*EG1] {1,5*Wasserdr} |
| | | Mz | min | 0 | (17) | 0 | −2,929 | −2,929 | **−0,029** | [1,35*EG1] {1,5*Erddr} |
| | | | max | 0 | (17) | 0 | 6,058 | 6,058 | **0,057** | [EG1] {1,5*Wasserdr} |
| 4 | 2 | | | L=1,500 | | | | | | |
| | | Nx | min | 0,175 | (331) | 0 | −1,247 | −1,247 | 0,001 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 1,500 | (48) | 0 | −0,001 | −0,001 | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vy | min | 1,383 | (336) | 0 | 0 | 0 | −0,001 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (25) | 0 | −2,840 | −2,840 | 0,002 | [1,35*EG1] {1,5*Erddr} |
| | | Vz | min | 0 | (25) | 0 | 5,893 | 5,893 | −0,002 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (25) | 0 | −2,844 | −2,844 | 0,002 | [EG1] {1,5*Erddr} |
| | | Tx | min | 1,500 | (48) | **0** | 0 | 0 | 0 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 1,500 | (48) | **0** | −0,001 | −0,001 | 0 | [EG1] {1,5*Wasserdr} |
| | | My | min | 0 | (25) | 0 | **−2,844** | −2,844 | 0,002 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (25) | 0 | **5,893** | 5,893 | −0,002 | [1,35*EG1] {1,5*Wasserdr} |
| | | MyBw | min | 0 | (25) | 0 | −2,844 | **−2,844** | 0,002 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (25) | 0 | 5,893 | **5,893** | −0,002 | [1,35*EG1] {1,5*Wasserdr} |
| | | Mz | min | 0,071 | (330) | 0 | 4,273 | 4,273 | **−0,002** | [EG1] {1,5*Wasserdr} |

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## Plattenbalkenkräfte [Linear, Maßgebend Min./Max.(Alle ULS )]

| | *Pr.* | *K* | *min. max.* | *Abst. [m]* | *Knoten* | *Nx [kN]* | *Vy [kN]* | *Vz [kN]* |
|---|---|---|---|---|---|---|---|---|
| | | | max | 0 | (25) | −1,052 | 0,012 | 11,422 |
| 5 | 2 | | | L=1,500 | | | | |
| | | Nx | min | 0 | (29) | **−3,713** | 1,414 | −7,205 |
| | | | max | 1,500 | (52) | **0,011** | −0,016 | −0,071 |
| | | Vy | min | 0 | (29) | −0,522 | **−0,266** | 3,593 |
| | | | max | 0 | (29) | −3,713 | **1,414** | −7,205 |
| | | Vz | min | 0,075 | (209) | −3,025 | 0,943 | **−8,858** |
| | | | max | 0,075 | (209) | −0,943 | −0,161 | **4,433** |
| | | Tx | min | 0,161 | (210) | −0,942 | −0,103 | 3,050 |
| | | | max | 0,161 | (210) | −2,732 | 0,508 | −6,050 |
| | | My | min | 0 | (29) | −1,013 | −0,177 | 3,592 |
| | | | max | 0 | (29) | −3,221 | 1,325 | −7,204 |
| | | MyBw | min | 0 | (29) | −1,013 | −0,177 | 3,592 |
| | | | max | 0 | (29) | −3,221 | 1,325 | −7,204 |
| | | Mz | min | 0 | (29) | −0,522 | −0,266 | 3,593 |
| | | | max | 0 | (29) | −3,713 | 1,414 | −7,205 |
| 6 | 1 | | | L=1,500 | | | | |
| | | Nx | min | 0,162 | (268) | **−1,324** | 0,025 | 3,717 |
| | | | max | 1,500 | (31) | **0,004** | 0,022 | −0,159 |
| | | Vy | min | 0 | (8) | −0,382 | **−0,514** | −16,405 |
| | | | max | 0 | (8) | −0,967 | **0,151** | 8,168 |
| | | Vz | min | 0 | (8) | −0,138 | −0,493 | **−16,415** |
| | | | max | 0 | (8) | −1,211 | 0,131 | **8,178** |
| | | Tx | min | 0 | (8) | −0,138 | −0,493 | −16,415 |
| | | | max | 0 | (8) | −1,211 | 0,131 | 8,178 |
| | | My | min | 0 | (8) | −1,211 | 0,131 | 8,178 |
| | | | max | 0 | (8) | −0,138 | −0,493 | −16,415 |
| | | MyBw | min | 0 | (8) | −1,211 | 0,131 | 8,178 |
| | | | max | 0 | (8) | −0,138 | −0,493 | −16,415 |

| | *Pr.* | *K* | *min. max.* | *Abst. [m]* | *Knoten* | *Tx [kNm]* | *My [kNm]* | *MyBw [kNm]* | *Mz [kNm]* | *Maßgebende Kombination* |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | max | 0 | (25) | 0 | −2,840 | −2,840 | **0,002** | [1,35*EG1] {1,5*Erddr} |
| 5 | 2 | | | L=1,500 | | | | | | |
| | | Nx | min | 0 | (29) | −0,025 | 4,470 | 4,470 | 0,216 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 1,500 | (52) | 0,002 | −0,015 | −0,015 | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vy | min | 0 | (29) | 0,013 | −2,171 | −2,171 | −0,049 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (29) | −0,025 | 4,470 | 4,470 | 0,216 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vz | min | 0,075 | (209) | 0,137 | 3,287 | 3,287 | 0,119 | [EG1] {1,5*Wasserdr} |
| | | | max | 0,075 | (209) | −0,069 | −1,587 | −1,587 | −0,025 | [1,35*EG1] {1,5*Erddr} |
| | | Tx | min | 0,161 | (210) | **−0,095** | −1,193 | −1,193 | −0,013 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 0,161 | (210) | **0,188** | 2,502 | 2,502 | 0,056 | [EG1] {1,5*Wasserdr} |
| | | My | min | 0 | (29) | 0,013 | **−2,174** | −2,174 | −0,038 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 0 | (29) | −0,025 | **4,472** | 4,472 | 0,204 | [EG1] {1,5*Wasserdr} |
| | | MyBw | min | 0 | (29) | 0,013 | −2,174 | **−2,174** | −0,038 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 0 | (29) | −0,025 | 4,472 | **4,472** | 0,204 | [EG1] {1,5*Wasserdr} |
| | | Mz | min | 0 | (29) | 0,013 | −2,171 | −2,171 | **−0,049** | [EG1] {1,5*Erddr} |
| | | | max | 0 | (29) | −0,025 | 4,470 | 4,470 | **0,216** | [1,35*EG1] {1,5*Wasserdr} |
| 6 | 1 | | | L=1,500 | | | | | | |
| | | Nx | min | 0,162 | (268) | 0 | −1,120 | −1,120 | 0,007 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 1,500 | (31) | 0 | −0,009 | −0,009 | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vy | min | 0 | (8) | 0 | 4,381 | 4,381 | −0,088 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (8) | 0 | −2,138 | −2,138 | 0,022 | [EG1] {1,5*Erddr} |
| | | Vz | min | 0 | (8) | 0 | 4,384 | 4,384 | −0,083 | [EG1] {1,5*Wasserdr} |
| | | | max | 0 | (8) | 0 | −2,142 | −2,142 | 0,018 | [1,35*EG1] {1,5*Erddr} |
| | | Tx | min | 0 | (8) | **0** | 4,384 | 4,384 | −0,083 | [EG1] {1,5*Wasserdr} |
| | | | max | 0 | (8) | **0** | −2,142 | −2,142 | 0,018 | [1,35*EG1] {1,5*Erddr} |
| | | My | min | 0 | (8) | 0 | **−2,142** | −2,142 | 0,018 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 0 | (8) | 0 | **4,384** | 4,384 | −0,083 | [EG1] {1,5*Wasserdr} |
| | | MyBw | min | 0 | (8) | 0 | −2,142 | **−2,142** | 0,018 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 0 | (8) | 0 | 4,384 | **4,384** | −0,083 | [EG1] {1,5*Wasserdr} |

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## Plattenbalkenkräfte [Linear, Maßgebend Min./Max.(Alle ULS )]

| | *Pr.* | *K* | *min. max.* | *Abst. [m]* | *Knoten* | *Nx [kN]* | *Vy [kN]* | *Vz [kN]* |
|---|---|---|---|---|---|---|---|---|
| | | Mz | min | 0 | (8) | −0,382 | −0,514 | −16,405 |
| | | | max | 0 | (8) | −0,967 | 0,151 | 8,168 |
| 7 | 1 | | | L=1,500 | | | | |
| | | Nx | min | 0,162 | (231) | **−1,227** | 0,071 | 5,533 |
| | | | max | 1,500 | (33) | **0,020** | 0,022 | 0,049 |
| | | Vy | min | 0 | (10) | −0,592 | **−0,538** | −22,248 |
| | | | max | 0 | (10) | −0,890 | **0,235** | 10,998 |
| | | Vz | min | 0 | (10) | −0,592 | −0,538 | **−22,248** |
| | | | max | 0 | (10) | −0,890 | 0,235 | **10,998** |
| | | Tx | min | 0 | (10) | −0,343 | −0,532 | −22,246 |
| | | | max | 0 | (10) | −1,139 | 0,229 | 10,997 |
| | | My | min | 0 | (10) | −0,890 | 0,235 | 10,998 |
| | | | max | 0 | (10) | −0,592 | −0,538 | −22,248 |
| | | MyBw | min | 0 | (10) | −0,890 | 0,235 | 10,998 |
| | | | max | 0 | (10) | −0,592 | −0,538 | −22,248 |
| | | Mz | min | 0 | (10) | −0,592 | −0,538 | −22,248 |
| | | | max | 0 | (10) | −0,890 | 0,235 | 10,998 |
| 8 | 1 | | | L=1,500 | | | | |
| | | Nx | min | 0,155 | (149) | **−1,239** | 0,082 | 6,129 |
| | | | max | 1,500 | (38) | **0,036** | 0,006 | 0,047 |
| | | Vy | min | 0 | (15) | −0,680 | **−0,555** | −23,365 |
| | | | max | 0 | (15) | −0,895 | **0,252** | 11,514 |
| | | Vz | min | 0 | (15) | −0,680 | −0,555 | **−23,365** |
| | | | max | 0 | (15) | −0,895 | 0,252 | **11,514** |
| | | Tx | min | 0 | (15) | −0,680 | −0,555 | −23,365 |
| | | | max | 0 | (15) | −0,895 | 0,252 | 11,514 |
| | | My | min | 0 | (15) | −0,895 | 0,252 | 11,514 |
| | | | max | 0 | (15) | −0,680 | −0,555 | −23,365 |
| | | MyBw | min | 0 | (15) | −0,895 | 0,252 | 11,514 |

| | *Pr.* | *K* | *min. max.* | *Abst. [m]* | *Knoten* | *Tx [kNm]* | *My [kNm]* | *MyBw [kNm]* | *Mz [kNm]* | *Maßgebende Kombination* |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Mz | min | 0 | (8) | 0 | 4,381 | 4,381 | **−0,088** | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (8) | 0 | −2,138 | −2,138 | **0,022** | [EG1] {1,5*Erddr} |
| 7 | 1 | | | L=1,500 | | | | | | |
| | | Nx | min | 0,162 | (231) | 0 | −1,317 | −1,317 | 0,007 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 1,500 | (33) | 0 | −0,007 | −0,007 | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vy | min | 0 | (10) | 0 | 5,676 | 5,676 | −0,070 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (10) | 0 | −2,754 | −2,754 | 0,031 | [EG1] {1,5*Erddr} |
| | | Vz | min | 0 | (10) | 0 | 5,676 | 5,676 | −0,070 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (10) | 0 | −2,754 | −2,754 | 0,031 | [EG1] {1,5*Erddr} |
| | | Tx | min | 0 | (10) | **0** | 5,676 | 5,676 | −0,070 | [EG1] {1,5*Wasserdr} |
| | | | max | 0 | (10) | **0** | −2,753 | −2,753 | 0,031 | [1,35*EG1] {1,5*Erddr} |
| | | My | min | 0 | (10) | 0 | **−2,754** | −2,754 | 0,031 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (10) | 0 | **5,676** | 5,676 | −0,070 | [1,35*EG1] {1,5*Wasserdr} |
| | | MyBw | min | 0 | (10) | 0 | −2,754 | **−2,754** | 0,031 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (10) | 0 | 5,676 | **5,676** | −0,070 | [1,35*EG1] {1,5*Wasserdr} |
| | | Mz | min | 0 | (10) | 0 | 5,676 | 5,676 | **−0,070** | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (10) | 0 | −2,754 | −2,754 | **0,031** | [EG1] {1,5*Erddr} |
| 8 | 1 | | | L=1,500 | | | | | | |
| | | Nx | min | 0,155 | (149) | 0 | −1,464 | −1,464 | 0,008 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 1,500 | (38) | 0 | −0,009 | −0,009 | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vy | min | 0 | (15) | 0 | 6,102 | 6,102 | −0,072 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (15) | 0 | −2,952 | −2,952 | 0,033 | [EG1] {1,5*Erddr} |
| | | Vz | min | 0 | (15) | 0 | 6,102 | 6,102 | −0,072 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (15) | 0 | −2,952 | −2,952 | 0,033 | [EG1] {1,5*Erddr} |
| | | Tx | min | 0 | (15) | **0** | 6,102 | 6,102 | −0,072 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (15) | **0** | −2,952 | −2,952 | 0,033 | [EG1] {1,5*Erddr} |
| | | My | min | 0 | (15) | 0 | **−2,952** | −2,952 | 0,033 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (15) | 0 | **6,102** | 6,102 | −0,072 | [1,35*EG1] {1,5*Wasserdr} |
| | | MyBw | min | 0 | (15) | 0 | −2,952 | **−2,952** | 0,033 | [EG1] {1,5*Erddr} |

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## Plattenbalkenkräfte [Linear, Maßgebend Min./Max.(Alle ULS )]

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *Nx* *[kN]* | *Vy* *[kN]* | *Vz* *[kN]* |
|---|---|---|---|---|---|---|---|---|
| | | | max | 0 | (15) | −0,680 | −0,555 | −23,365 |
| | | Mz | min | 0 | (15) | −0,680 | −0,555 | −23,365 |
| | | | max | 0 | (15) | −0,895 | 0,252 | 11,514 |
| 9 | 1 | | | L=1,500 | | | | |
| | | Nx | min | 0,161 | (127) | **−1,226** | 0,081 | 6,031 |
| | | | max | 1,500 | (43) | **0,040** | 0 | 0,040 |
| | | Vy | min | 0 | (20) | −0,661 | **−0,537** | −24,034 |
| | | | max | 0 | (20) | −0,896 | **0,252** | 11,828 |
| | | Vz | min | 0 | (20) | −0,661 | −0,537 | **−24,034** |
| | | | max | 0 | (20) | −0,896 | 0,252 | **11,828** |
| | | Tx | min | 1,500 | (43) | −0,008 | 0,001 | −0,030 |
| | | | max | 0 | (20) | −0,896 | 0,252 | 11,828 |
| | | My | min | 0 | (20) | −0,896 | 0,252 | 11,828 |
| | | | max | 0 | (20) | −0,661 | −0,537 | −24,034 |
| | | MyBw | min | 0 | (20) | −0,896 | 0,252 | 11,828 |
| | | | max | 0 | (20) | −0,661 | −0,537 | −24,034 |
| | | Mz | min | 0 | (20) | −0,661 | −0,537 | −24,034 |
| | | | max | 0 | (20) | −0,896 | 0,252 | 11,828 |
| 10 | 1 | | | L=1,500 | | | | |
| | | Nx | min | 0,162 | (306) | **−1,220** | 0,076 | 5,998 |
| | | | max | 1,500 | (45) | **0,038** | −0,006 | 0,044 |
| | | Vy | min | 0 | (22) | −0,386 | **−0,493** | −23,945 |
| | | | max | 0 | (22) | −1,144 | **0,243** | 11,772 |
| | | Vz | min | 0 | (22) | −0,639 | −0,493 | **−23,954** |
| | | | max | 0 | (22) | −0,890 | 0,243 | **11,781** |
| | | Tx | min | 1,500 | (45) | −0,007 | 0,002 | −0,032 |
| | | | max | 1,500 | (45) | 0,036 | −0,005 | 0,045 |
| | | My | min | 0 | (22) | −0,890 | 0,243 | 11,781 |
| | | | max | 0 | (22) | −0,639 | −0,493 | −23,954 |

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *Tx* *[kNm]* | *My* *[kNm]* | *MyBw* *[kNm]* | *Mz* *[kNm]* | *Maßgebende Kombination* |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | max | 0 | (15) | 0 | 6,102 | **6,102** | −0,072 | [1,35*EG1] {1,5*Wasserdr} |
| | | Mz | min | 0 | (15) | 0 | 6,102 | 6,102 | **−0,072** | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (15) | 0 | −2,952 | −2,952 | **0,033** | [EG1] {1,5*Erddr} |
| 9 | 1 | | | L=1,500 | | | | | | |
| | | Nx | min | 0,161 | (127) | 0 | −1,450 | −1,450 | 0,008 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 1,500 | (43) | 0 | −0,008 | −0,008 | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vy | min | 0 | (20) | 0 | 6,228 | 6,228 | −0,073 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (20) | 0 | −3,009 | −3,009 | 0,034 | [EG1] {1,5*Erddr} |
| | | Vz | min | 0 | (20) | 0 | 6,228 | 6,228 | −0,073 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (20) | 0 | −3,009 | −3,009 | 0,034 | [EG1] {1,5*Erddr} |
| | | Tx | min | 1,500 | (43) | **0** | 0,003 | 0,003 | 0 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 0 | (20) | **0** | −3,009 | −3,009 | 0,034 | [EG1] {1,5*Erddr} |
| | | My | min | 0 | (20) | 0 | **−3,009** | −3,009 | 0,034 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (20) | 0 | **6,228** | 6,228 | −0,073 | [1,35*EG1] {1,5*Wasserdr} |
| | | MyBw | min | 0 | (20) | 0 | −3,009 | **−3,009** | 0,034 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (20) | 0 | 6,228 | **6,228** | −0,073 | [1,35*EG1] {1,5*Wasserdr} |
| | | Mz | min | 0 | (20) | 0 | 6,228 | 6,228 | **−0,073** | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (20) | 0 | −3,009 | −3,009 | **0,034** | [EG1] {1,5*Erddr} |
| 10 | 1 | | | L=1,500 | | | | | | |
| | | Nx | min | 0,162 | (306) | 0 | −1,442 | −1,442 | 0,007 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 1,500 | (45) | 0 | −0,008 | −0,008 | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vy | min | 0 | (22) | 0 | 6,202 | 6,202 | −0,066 | [EG1] {1,5*Wasserdr} |
| | | | max | 0 | (22) | 0 | −2,992 | −2,992 | 0,032 | [1,35*EG1] {1,5*Erddr} |
| | | Vz | min | 0 | (22) | 0 | 6,204 | 6,204 | −0,066 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (22) | 0 | −2,995 | −2,995 | 0,032 | [EG1] {1,5*Erddr} |
| | | Tx | min | 1,500 | (45) | **0** | 0,003 | 0,003 | 0 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 1,500 | (45) | **0** | −0,008 | −0,008 | 0 | [EG1] {1,5*Wasserdr} |
| | | My | min | 0 | (22) | 0 | **−2,995** | −2,995 | 0,032 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (22) | 0 | **6,204** | 6,204 | −0,066 | [1,35*EG1] {1,5*Wasserdr} |

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## Plattenbalkenkräfte [Linear, Maßgebend Min./Max.(Alle ULS )]

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *Nx* *[kN]* | *Vy* *[kN]* | *Vz* *[kN]* |
|---|---|---|---|---|---|---|---|---|
| | | MyBw | min | 0 | (22) | −0,890 | 0,243 | 11,781 |
| | | | max | 0 | (22) | −0,639 | −0,493 | −23,954 |
| | | Mz | min | 0 | (22) | −0,386 | −0,493 | −23,945 |
| | | | max | 0 | (22) | −1,144 | 0,243 | 11,772 |
| 11 | 1 | | | L=1,500 | | | | |
| | | Nx | min | 0,155 | (188) | **−1,269** | 0,082 | 5,588 |
| | | | max | 1,500 | (50) | **0,015** | −0,031 | −0,029 |
| | | Vy | min | 0 | (27) | −0,119 | **−0,391** | −21,812 |
| | | | max | 0 | (27) | −1,167 | **0,241** | 10,742 |
| | | Vz | min | 0 | (27) | −0,353 | −0,382 | **−21,819** |
| | | | max | 0 | (27) | −0,934 | 0,231 | **10,749** |
| | | Tx | min | 0 | (27) | −1,167 | 0,241 | 10,742 |
| | | | max | 0 | (27) | −0,119 | −0,391 | −21,812 |
| | | My | min | 0 | (27) | −0,934 | 0,231 | 10,749 |
| | | | max | 0 | (27) | −0,353 | −0,382 | −21,819 |
| | | MyBw | min | 0 | (27) | −0,934 | 0,231 | 10,749 |
| | | | max | 0 | (27) | −0,353 | −0,382 | −21,819 |
| | | Mz | min | 0 | (27) | −0,119 | −0,391 | −21,812 |
| | | | max | 0 | (27) | −1,167 | 0,241 | 10,742 |
| Ext. | | | | | | | | |
| 1 | 2 | Nx | min | 0 | (7) | **−4,286** | −1,403 | −4,386 |
| 9 | 1 | | max | 1,500 | (43) | **0,040** | 0 | 0,040 |
| 1 | 2 | Vy | min | 0 | (7) | −4,286 | **−1,403** | −4,386 |
| 5 | 2 | | max | 0 | (29) | −3,713 | **1,414** | −7,205 |
| 9 | 1 | Vz | min | 0 | (20) | −0,661 | −0,537 | **−24,034** |
| 9 | 1 | | max | 0 | (20) | −0,896 | 0,252 | **11,828** |
| 1 | 2 | Tx | min | 0,160 | (280) | −2,947 | −0,603 | −3,722 |
| 5 | 2 | | max | 0,161 | (210) | −2,732 | 0,508 | −6,050 |
| 9 | 1 | My | min | 0 | (20) | −0,896 | 0,252 | 11,828 |
| 9 | 1 | | max | 0 | (20) | −0,661 | −0,537 | −24,034 |

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *Tx* *[kNm]* | *My* *[kNm]* | *MyBw* *[kNm]* | *Mz* *[kNm]* | *Maßgebende Kombination* |
|---|---|---|---|---|---|---|---|---|---|---|
| | | MyBw | min | 0 | (22) | 0 | −2,995 | **−2,995** | 0,032 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (22) | 0 | 6,204 | **6,204** | −0,066 | [1,35*EG1] {1,5*Wasserdr} |
| | | Mz | min | 0 | (22) | 0 | 6,202 | 6,202 | **−0,066** | [EG1] {1,5*Wasserdr} |
| | | | max | 0 | (22) | 0 | −2,992 | −2,992 | **0,032** | [1,35*EG1] {1,5*Erddr} |
| 11 | 1 | | | L=1,500 | | | | | | |
| | | Nx | min | 0,155 | (188) | 0 | −1,369 | −1,369 | 0,006 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 1,500 | (50) | 0 | −0,009 | −0,009 | −0,001 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vy | min | 0 | (27) | 0 | 5,676 | 5,676 | −0,047 | [EG1] {1,5*Wasserdr} |
| | | | max | 0 | (27) | 0 | −2,740 | −2,740 | 0,031 | [1,35*EG1] {1,5*Erddr} |
| | | Vz | min | 0 | (27) | 0 | 5,678 | 5,678 | −0,045 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (27) | 0 | −2,743 | −2,743 | 0,029 | [EG1] {1,5*Erddr} |
| | | Tx | min | 0 | (27) | **0** | −2,740 | −2,740 | 0,031 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 0 | (27) | **0** | 5,676 | 5,676 | −0,047 | [EG1] {1,5*Wasserdr} |
| | | My | min | 0 | (27) | 0 | **−2,743** | −2,743 | 0,029 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (27) | 0 | **5,678** | 5,678 | −0,045 | [1,35*EG1] {1,5*Wasserdr} |
| | | MyBw | min | 0 | (27) | 0 | −2,743 | **−2,743** | 0,029 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (27) | 0 | 5,678 | **5,678** | −0,045 | [1,35*EG1] {1,5*Wasserdr} |
| | | Mz | min | 0 | (27) | 0 | 5,676 | 5,676 | **−0,047** | [EG1] {1,5*Wasserdr} |
| | | | max | 0 | (27) | 0 | −2,740 | −2,740 | **0,031** | [1,35*EG1] {1,5*Erddr} |
| Ext. | | | | | | | | | | |
| 1 | 2 | Nx | min | 0 | (7) | 0,021 | 3,415 | 3,415 | −0,245 | [1,35*EG1] {1,5*Wasserdr} |
| 9 | 1 | | max | 1,500 | (43) | 0 | −0,008 | −0,008 | 0 | [1,35*EG1] {1,5*Wasserdr} |
| 1 | 2 | Vy | min | 0 | (7) | 0,021 | 3,415 | 3,415 | −0,245 | [1,35*EG1] {1,5*Wasserdr} |
| 5 | 2 | | max | 0 | (29) | −0,025 | 4,470 | 4,470 | 0,216 | [1,35*EG1] {1,5*Wasserdr} |
| 9 | 1 | Vz | min | 0 | (20) | 0 | 6,228 | 6,228 | −0,073 | [1,35*EG1] {1,5*Wasserdr} |
| 9 | 1 | | max | 0 | (20) | 0 | −3,009 | −3,009 | 0,034 | [EG1] {1,5*Erddr} |
| 1 | 2 | Tx | min | 0,160 | (280) | **−0,190** | 2,148 | 2,148 | −0,073 | [EG1] {1,5*Wasserdr} |
| 5 | 2 | | max | 0,161 | (210) | **0,188** | 2,502 | 2,502 | 0,056 | [EG1] {1,5*Wasserdr} |
| 9 | 1 | My | min | 0 | (20) | 0 | **−3,009** | −3,009 | 0,034 | [EG1] {1,5*Erddr} |
| 9 | 1 | | max | 0 | (20) | 0 | **6,228** | 6,228 | −0,073 | [1,35*EG1] {1,5*Wasserdr} |

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## Plattenbalkenkräfte [Linear, Maßgebend Min./Max.(Alle ULS )]

| | *Pr.* | *K* | *min.*<br>*max.* | *Abst.*<br>*[m]* | *Knoten* | *Nx*<br>*[kN]* | *Vy*<br>*[kN]* | *Vz*<br>*[kN]* |
|---|---|---|---|---|---|---|---|---|
| 9 | 1 | MyBw | min | 0 | (20) | −0,896 | 0,252 | 11,828 |
| 9 | 1 | | max | 0 | (20) | −0,661 | −0,537 | −24,034 |
| 1 | 2 | Mz | min | 0 | (7) | −4,286 | −1,403 | −4,386 |
| 5 | 2 | | max | 0 | (29) | −3,713 | 1,414 | −7,205 |

| | *Pr.* | *K* | *min.*<br>*max.* | *Abst.*<br>*[m]* | *Knoten* | *Tx*<br>*[kNm]* | *My*<br>*[kNm]* | *MyBw*<br>*[kNm]* | *Mz*<br>*[kNm]* | *Maßgebende Kombination* |
|---|---|---|---|---|---|---|---|---|---|---|
| 9 | 1 | MyBw | min | 0 | (20) | 0 | −3,009 | **−3,009** | 0,034 | [EG1] {1,5*Erddr} |
| 9 | 1 | | max | 0 | (20) | 0 | 6,228 | **6,228** | −0,073 | [1,35*EG1] {1,5*Wasserdr} |
| 1 | 2 | Mz | min | 0 | (7) | 0,021 | 3,415 | 3,415 | **−0,245** | [1,35*EG1] {1,5*Wasserdr} |
| 5 | 2 | | max | 0 | (29) | −0,025 | 4,470 | 4,470 | **0,216** | [1,35*EG1] {1,5*Wasserdr} |

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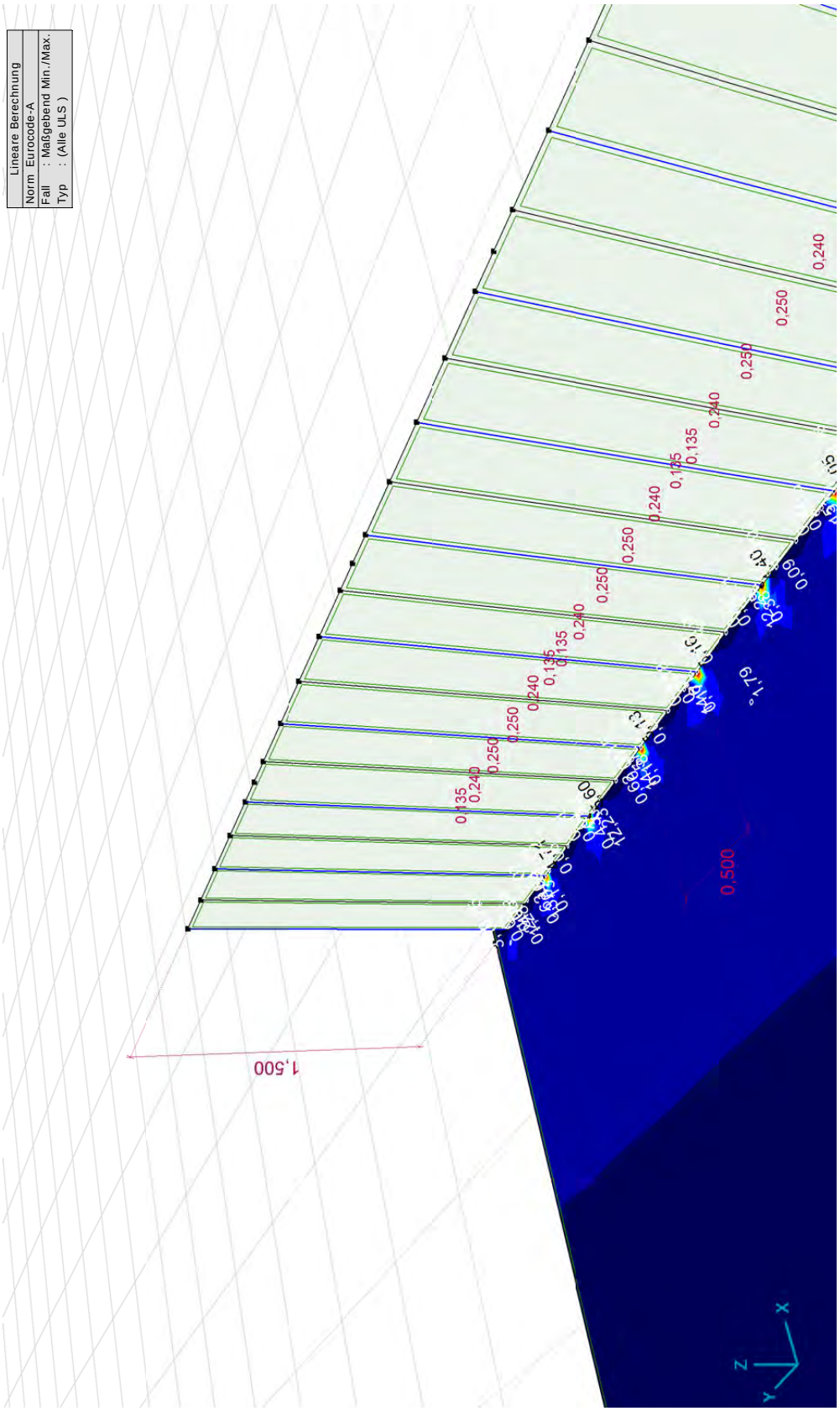


*Bewehrung*

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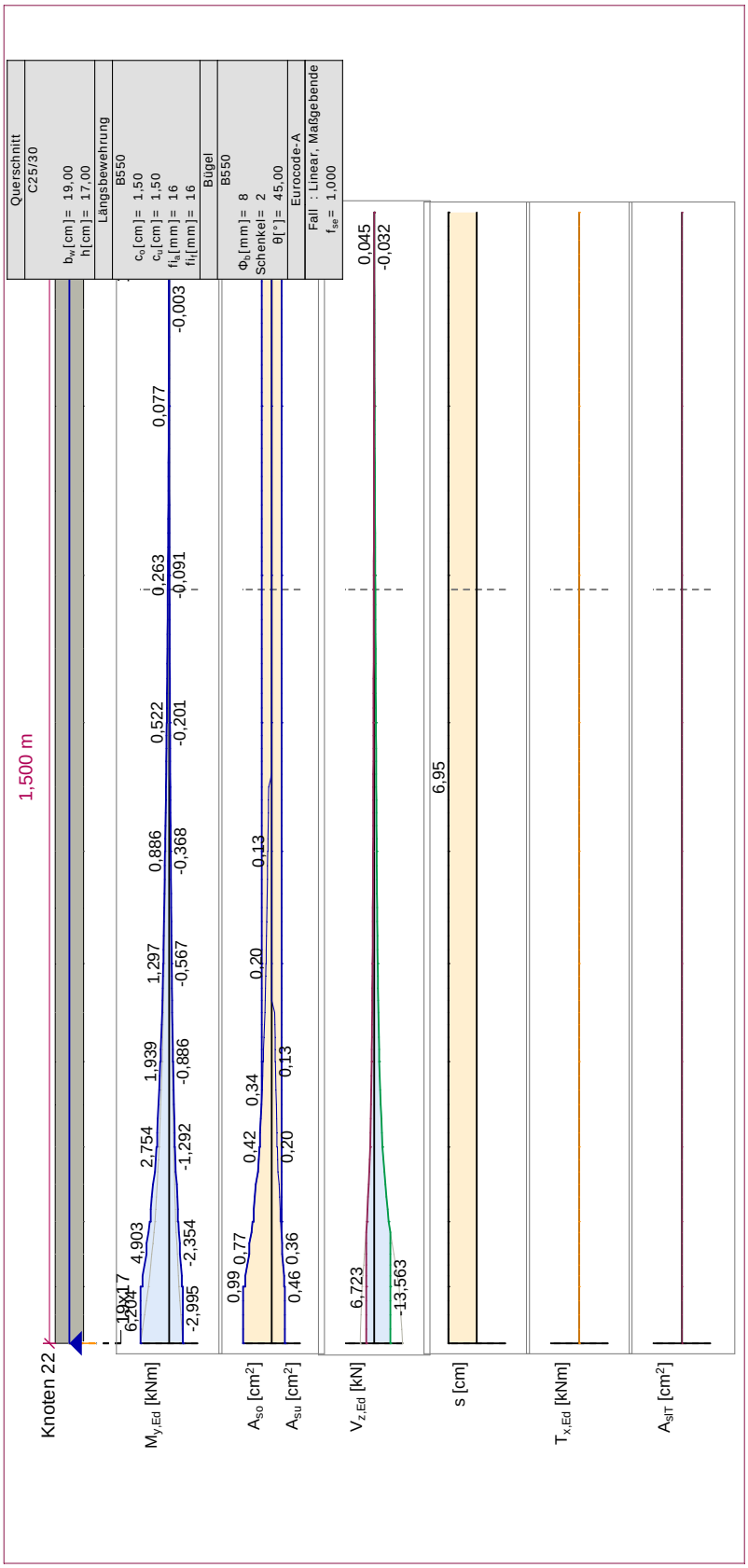


*Riegelbewehrungsdiagram, 1 Stäbe (22-45), Linear,(Auto) Maßgebende*

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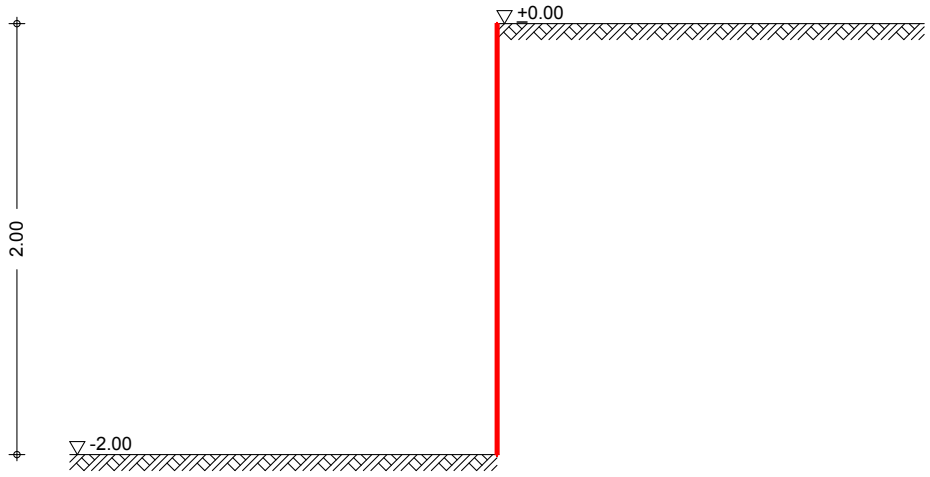
# Pos. Ed_200 Erddruckermittlung für Wand H = 2.00m

System
M 1:35




Geometrie: Erddruckermittlung auf ebene Wandfläche

Belastungsfläche:
Höhe der Belastungsfläche h = 2.00 [m]
Wandneigung α = 0.00 [°]

Gelände: ebenes Gelände

Boden

| h [m] | γ | γ' [kN/m³] | φ [°] | Ca [kN/m²] | δa [°] | δ0 [°] |
|---|---|---|---|---|---|---|
| 999.0 | 20.0 | 10.0 | 30.0 | - | 20.0 | 0.0 |

Belastungen

Großflächige Auflast

| Nr. | EW | p [kN/m²] |
|---|---|---|
| 1 | #BodenE | 3.00 |

Grafik: Belastungsgrafiken (Einwirkungsbezogen)

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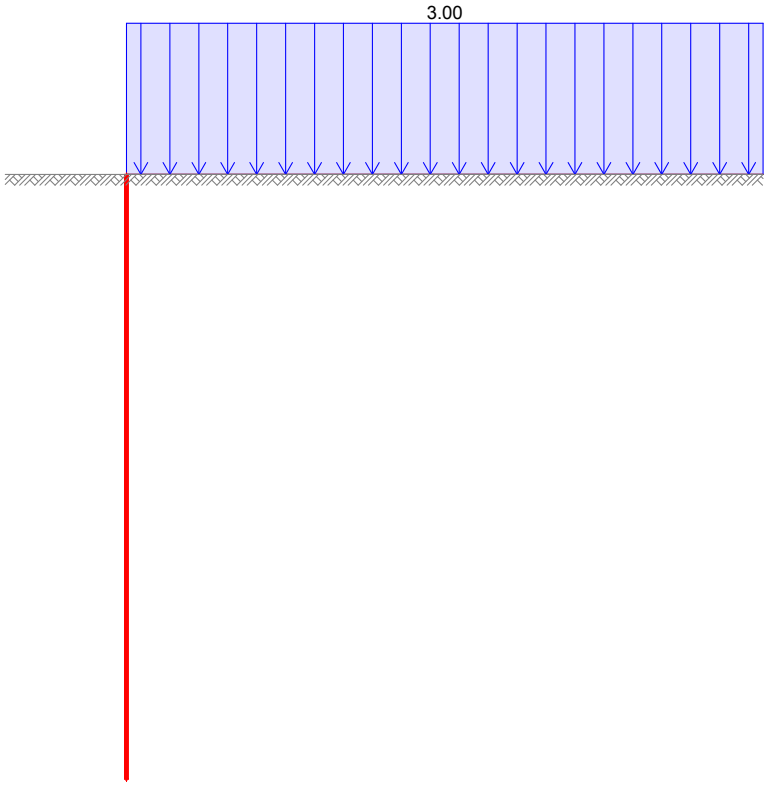
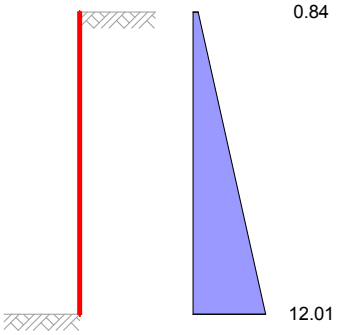
Einwirkung #BodenE




Erddruck Berechnung gem. DIN 4085 (10/07)

EW #BodenE aktiver Erddruck
großfl. Auflast < 10 kN/m² $p_{e\,k}$ = 3.00 kN/m²

M 1:50




Erddruckspannungen

| z [m] | $K_{agh}$ [-] | $K_{ach}$ | $K_{aph}$ | $e_{agh}$ [kN/m²] | $e_{ach}$ | $e_{aph}$ | $\Sigma e_h$ |
|---|---|---|---|---|---|---|---|
| 0.00 | 0.279 | 0.922 | 0.279 | 0.0 | 0.0 | 0.8 | 0.84 |
| 2.00 | 0.279 | 0.922 | 0.279 | 11.2 | 0.0 | 0.8 | 12.01 |

Resultierende Erddruckspannungen

| z [m] | $\Sigma e_h$ [kN/m²] |
|---|---|
| 0.00 | 0.84 |
| 2.00 | 12.01 |

aktive Erddruckkraft

$E_{a\,h}$ = 12.85 kN/m
$E_{a\,v}$ = 4.68 kN/m

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# Projekt: Poolwand

Bearbeiter: GSB / Derntl

AxisVM 11.0 R4a · Registrierter Benutzer: Not For Resale Version

Poolwand_h.2.00.axs

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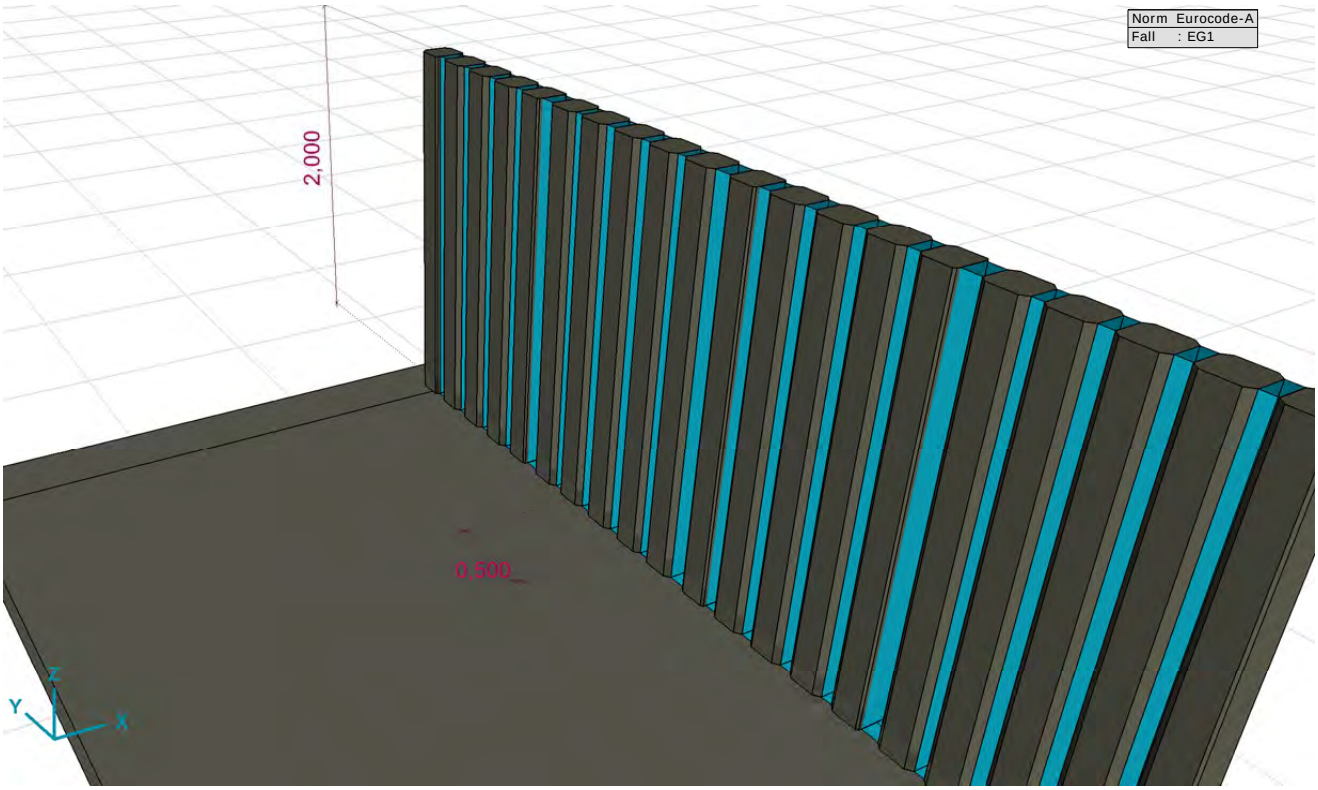
AxisVM 11.0 R4a · Registrierter Benutzer: Not For Resale Version

**Projekt: Poolwand**
Bearbeiter: GSB / Derntl
Modell: **Poolwand_h.2.00.axs**






*3D1*

## Materialien

| | *Name* | *Typ* | *$E_x$ [N/mm²]* | *$E_y$ [N/mm²]* | *v* | *$\alpha_T$ [1/°C]* | *$\rho$ [kg/m³]* | *Material Farbe* | *Kontur Farbe* |
|---|---|---|---|---|---|---|---|---|---|
| 1 | S 235 | Stahl | 210000 | 210000 | 0,30 | 1,2E-5 | 7850 | | |
| 2 | S 275 | Stahl | 210000 | 210000 | 0,30 | 1,2E-5 | 7850 | | |
| 3 | C20/25 | Beton | 29000 | 29000 | 0,20 | 1E-5 | 2500 | | |
| 4 | H FICHTE | Holz | 10000 | 10000 | 0,21 | 7,6E-6 | 520 | | |
| 5 | Boden | Sonstiges | 50 | 50 | 0,20 | 1E+5 | 1800 | | |
| 6 | H KIEFER | Holz | 10500 | 10500 | 0,21 | 7,6E-6 | 520 | | |

| | *Name* | *Textur* | *$P_1$* | *$P_2$* | *$P_3$* | *$P_4$* | *$P_5$* |
|---|---|---|---|---|---|---|---|
| 1 | S 235 | Metal Blue | $f_y$[N/mm²] = 235 | $f_u$[N/mm²] = 360 | $f_y^*$[N/mm²] = 215 | $f_u^*$[N/mm²] = 360 | |
| 2 | S 275 | – | $f_y$[N/mm²] = 275 | $f_u$[N/mm²] = 430 | $f_y^*$[N/mm²] = 255 | $f_u^*$[N/mm²] = 410 | |
| 3 | C20/25 | – | $f_{ck}$[N/mm²] = 20 | $\gamma_c$= 1,500 | $\alpha_{cc}$= 1,00 | $\phi_t$= 2,00 | |
| 4 | H FICHTE | White Oak | | | | | |
| 5 | Boden | – | | | | | |
| 6 | H KIEFER | – | | | | | |

| | *Name* | *$P_6$* | *$P_7$* | *$P_8$* | *$P_9$* | *$P_{10}$* | *$P_{11}$* | *$P_{12}$* |
|---|---|---|---|---|---|---|---|---|
| 1 | S 235 | | | | | | | |
| 2 | S 275 | | | | | | | |
| 3 | C20/25 | | | | | | | |
| 4 | H FICHTE | | | | | | | |
| 5 | Boden | | | | | | | |
| 6 | H KIEFER | | | | | | | |

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## Materialien

| | *Name* | *Typ* | $E_x$ [N/mm²] | $E_y$ [N/mm²] | $v$ | $\alpha_T$ [1/°C] | $\rho$ [kg/m³] | *Material Farbe* | *Kontur Farbe* |
|---|---|---|---|---|---|---|---|---|---|
| 7 | BSH | Holz | 11000 | 11000 | 0,20 | 4E-6 | 520 | | |
| 8 | C16/20 | Beton | 27500 | 27500 | 0,20 | 1E-5 | 2500 | | |
| 9 | Ziegel_weich | Ziegelstein | 100 | 100 | 0,20 | 1E+5 | 1600 | | |
| 10 | C25/30 | Beton | 30500 | 30500 | 0,20 | 1E-5 | 2500 | | |
| 11 | Ziegel | Ziegelstein | 1500 | 1500 | 0,20 | 1E+5 | 1600 | | |
| 12 | S 355 | Stahl | 210000 | 210000 | 0,30 | 1,2E-5 | 7850 | | |
| 13 | C30/37 | Beton | 32000 | 32000 | 0,20 | 1E-5 | 2500 | | |
| 14 | LAAS | Holz | 10500 | 10500 | 0,21 | 7,6E-6 | 150 | | |
| 15 | GGG 40 Dukt. | Stahl | 160000 | 160000 | 0,10 | 1,2E-5 | 7050 | | |
| 16 | C50/60 | Beton | 37000 | 37000 | 0,20 | 1E-5 | 2500 | | |
| 17 | C35/45 | Beton | 33500 | 33500 | 0,20 | 1E-5 | 2500 | | |
| 18 | C40/50 | Beton | 35000 | 35000 | 0,20 | 1E-5 | 2500 | | |
| 19 | Gras | Holz | 10000 | 10000 | 0,21 | 7,6E-6 | 520 | | |
| 20 | ALUMINIUM | Aluminium | 69000 | 69000 | 0,33 | 2,37E-5 | 2620 | | |
| 21 | ALUMINIUM_1 | Aluminium | 69000 | 69000 | 0,33 | 2,37E-5 | 2620 | | |
| 22 | Boden_1 | Sonstiges | 100 | 100 | 0,20 | 1E+5 | 1800 | | |
| 23 | C35/45_HDD | Beton | 33500 | 33500 | 0,20 | 1E-5 | 1450 | | |
| 24 | S 355_1 | Stahl | 2100 | 2100 | 0,30 | 1,2E-5 | 7850 | | |

| | *Name* | *Textur* | $P_1$ | $P_2$ | $P_3$ | $P_4$ | $P_5$ |
|---|---|---|---|---|---|---|---|
| 7 | BSH | – | Hart | $E_{0.05}$[N/mm²] = 0 | $f_{md}$[N/mm²] = 0 | $f_{t0d}$[N/mm²] = 0 | $f_{t90d}$[N/mm²] = 0 |
| 8 | C16/20 | Basic Concrete | $f_{ck}$[N/mm²] = 16 | $\gamma_c$= 1,500 | $\alpha_{cc}$= 0,85 | $\phi_t$= 2,00 | |
| 9 | Ziegel_weich | Castle Brick Sepia | | | | | |
| 10 | C25/30 | Concrete Rough 3 | $f_{ck}$[N/mm²] = 25 | $\gamma_c$= 1,500 | $\alpha_{cc}$= 1,00 | $\phi_t$= 2,00 | |
| 11 | Ziegel | New Brick | | | | | |
| 12 | S 355 | Metal Blue | $f_y$[N/mm²] = 355 | $f_u$[N/mm²] = 510 | $f_y^*$[N/mm²] = 335 | $f_u^*$[N/mm²] = 470 | |
| 13 | C30/37 | Speckled 1 | $f_{ck}$[N/mm²] = 30 | $\gamma_c$= 1,500 | $\alpha_{cc}$= 1,00 | $\phi_t$= 2,00 | |
| 14 | LAAS | – | | | | | |
| 15 | GGG 40 Dukt. | Steel | $f_y$[N/mm²] = 300 | $f_u$[N/mm²] = 420 | $f_y^*$[N/mm²] = 285 | $f_u^*$[N/mm²] = 385 | |
| 16 | C50/60 | Concrete A | $f_{ck}$[N/mm²] = 50 | $\gamma_c$= 1,500 | $\alpha_{cc}$= 1,00 | $\phi_t$= 2,00 | |
| 17 | C35/45 | Concrete A | $f_{ck}$[N/mm²] = 35 | $\gamma_c$= 1,500 | $\alpha_{cc}$= 1,00 | $\phi_t$= 2,00 | |
| 18 | C40/50 | Cement | $f_{ck}$[N/mm²] = 40 | $\gamma_c$= 1,500 | $\alpha_{cc}$= 1,00 | $\phi_t$= 2,00 | |
| 19 | Gras | Grass | | | | | |
| 20 | ALUMINIUM | Aluminium | | | | | |
| 21 | ALUMINIUM_1 | Aluminium | | | | | |
| 22 | Boden_1 | – | | | | | |
| 23 | C35/45_HDD | Concrete A | $f_{ck}$[N/mm²] = 35 | $\gamma_c$= 1,500 | $\alpha_{cc}$= 1,00 | $\phi_t$= 2,00 | |
| 24 | S 355_1 | Metal Blue | $f_y$[N/mm²] = 355 | $f_u$[N/mm²] = 510 | $f_y^*$[N/mm²] = 335 | $f_u^*$[N/mm²] = 470 | |

| | *Name* | $P_6$ | $P_7$ | $P_8$ | $P_9$ | $P_{10}$ | $P_{11}$ | $P_{12}$ |
|---|---|---|---|---|---|---|---|---|
| 7 | BSH | $f_{c0d}$[N/mm²] = 0 | $f_{c90d}$[N/mm²] = 0 | $f_{vd}$[N/mm²] = 0 | | | | |
| 8 | C16/20 | | | | | | | |
| 9 | Ziegel_weich | | | | | | | |
| 10 | C25/30 | | | | | | | |
| 11 | Ziegel | | | | | | | |
| 12 | S 355 | | | | | | | |
| 13 | C30/37 | | | | | | | |
| 14 | LAAS | | | | | | | |
| 15 | GGG 40 Dukt. | | | | | | | |
| 16 | C50/60 | | | | | | | |
| 17 | C35/45 | | | | | | | |
| 18 | C40/50 | | | | | | | |
| 19 | Gras | | | | | | | |
| 20 | ALUMINIUM | | | | | | | |
| 21 | ALUMINIUM_1 | | | | | | | |
| 22 | Boden_1 | | | | | | | |
| 23 | C35/45_HDD | | | | | | | |
| 24 | S 355_1 | | | | | | | |

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## Materialien

| | Name | Typ | $E_x$ [N/mm²] | $E_y$ [N/mm²] | $v$ | $\alpha_T$ [1/°C] | $\rho$ [kg/m³] | Material Farbe | Kontur Farbe |
|---|---|---|---|---|---|---|---|---|---|
| 25 | S 235_1 | Stahl | 210 | 210 | 0,30 | 1,2E-5 | 7850 | | |

| | Name | Textur | $P_1$ | $P_2$ | $P_3$ | $P_4$ | $P_5$ |
|---|---|---|---|---|---|---|---|
| 25 | S 235_1 | Metal Blue | $f_y$[N/mm²] = 235 | $f_u$[N/mm²] = 360 | $f_y^*$[N/mm²] = 215 | $f_u^*$[N/mm²] = 360 | |

| | Name | $P_6$ | $P_7$ | $P_8$ | $P_9$ | $P_{10}$ | $P_{11}$ | $P_{12}$ |
|---|---|---|---|---|---|---|---|---|
| 25 | S 235_1 | | | | | | | |

## Profile

| | Name | Zeichnung | Herstellung | Form | h [cm] | b [cm] | tw [cm] | tf [cm] | Ax [cm²] | Ay [cm²] | Az [cm²] |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Iso Massiv Stein Mitte | | Sonstiges | indiv. | 17,00 | 19,00 | 0 | 0 | 308,00 | 259,91 | 259,07 |
| 2 | Iso Massiv Stein Rand | | Sonstiges | indiv. | 17,00 | 17,00 | 0 | 0 | 280,50 | 235,47 | 234,91 |

| | Name | Ix [cm⁴] | Iy [cm⁴] | Iz [cm⁴] | Iyz [cm⁴] | $I_1$ [cm⁴] | $I_2$ [cm⁴] | α [°] | Iω [cm⁶] | $W_{1,el,t}$ [cm³] | $W_{1,el,b}$ [cm³] | $W_{2,el,t}$ [cm³] | $W_{2,el,b}$ [cm³] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Iso Massiv Stein Mitte | 13405,0 | 6892,0 | 8625,7 | 0 | 8625,7 | 6892,0 | 90,00 | 4976 | 908,0 | 908,0 | 810,8 | 810,8 |
| 2 | Iso Massiv Stein Rand | 11194,3 | 6449,9 | 6459,5 | 0 | 6459,5 | 6449,9 | 90,00 | 2512 | 775,6 | 744,9 | 758,8 | 758,8 |

| | Name | $W_{1,pl}$ [cm³] | $W_{2,pl}$ [cm³] | $i_y$ [cm] | $i_z$ [cm] | Hy [cm] | Hz [cm] | $y_G$ [cm] | $z_G$ [cm] | $y_s$ [cm] | $z_s$ [cm] | F.p. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Iso Massiv Stein Mitte | 1407,7 | 1257,7 | 4,73 | 5,29 | 19,00 | 17,00 | 9,50 | 8,50 | 0 | 0 | 9 |
| 2 | Iso Massiv Stein Rand | 1163,2 | 1162,6 | 4,80 | 4,80 | 17,00 | 17,00 | 8,33 | 8,50 | 0,12 | 0 | 9 |

## Referenzen

| | Name | Typ | $X_1$ [m] | $Y_1$ [m] | $Z_1$ [m] | $X_2$ [m] | $Y_2$ [m] | $Z_2$ [m] | $X_3$ [m] | $Y_3$ [m] | $Z_3$ [m] |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | R1 | Ve | 0 | 0 | 0 | −1,000 | 0 | 0 | | | |
| 2 | R2 | Ve | 0 | 0 | 0 | 0 | 1,000 | 0 | | | |

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## Plattenbalken

| | *Knot i* | *Knot j* | *Stablänge [m]* | *Lokal x* | *Material* | *Anfangs-querschnitt* | *End-querschnitt* | *Ref$_z$* |
|---|---|---|---|---|---|---|---|---|
| 1 | 7 | → 30 | 2,000 | i - j | 10 | 2 | 2 | Auto |
| 2 | 11 | → 34 | 2,000 | i - j | 10 | 1 | 1 | Auto |
| 3 | 13 | → 36 | 2,000 | i - j | 10 | 2 | 2 | Auto |
| 4 | 17 | → 40 | 2,000 | i - j | 10 | 2 | 2 | Auto |
| 5 | 19 | → 42 | 2,000 | i - j | 10 | 1 | 1 | Auto |
| 6 | 23 | → 46 | 2,000 | i - j | 10 | 1 | 1 | Auto |
| 7 | 25 | → 48 | 2,000 | i - j | 10 | 2 | 2 | Auto |
| 8 | 29 | → 52 | 2,000 | i - j | 10 | 2 | 2 | Auto |
| 9 | 8 | → 31 | 2,000 | i - j | 10 | 1 | 1 | Auto |
| 10 | 9 | → 32 | 2,000 | i - j | 10 | 1 | 1 | Auto |
| 11 | 10 | → 33 | 2,000 | i - j | 10 | 1 | 1 | Auto |
| 12 | 14 | → 37 | 2,000 | i - j | 10 | 1 | 1 | Auto |
| 13 | 15 | → 38 | 2,000 | i - j | 10 | 1 | 1 | Auto |
| 14 | 16 | → 39 | 2,000 | i - j | 10 | 1 | 1 | Auto |
| 15 | 20 | → 43 | 2,000 | i - j | 10 | 1 | 1 | Auto |
| 16 | 21 | → 44 | 2,000 | i - j | 10 | 1 | 1 | Auto |
| 17 | 22 | → 45 | 2,000 | i - j | 10 | 1 | 1 | Auto |
| 18 | 26 | → 49 | 2,000 | i - j | 10 | 1 | 1 | Auto |
| 19 | 27 | → 50 | 2,000 | i - j | 10 | 1 | 1 | Auto |

| | *Exc. Typ* | *Anfangs-exz. [mm]* | *End-exz. [mm]* | *Verbindung Steifigkeit\|[kN/m/m]* | *Gl$_A$nf* | *Gl$_{Ende}$* | *s$_{yy,A}$ [kNm/rad]* | *s$_{zz,A}$ [kNm/rad]* | *s$_{yy,E}$ [kNm/rad]* | *s$_{zz,E}$ [kNm/rad]* |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Mittlere | 0 | 0 | | . | . | | | | |
| 2 | Mittlere | 0 | 0 | | . | . | | | | |
| 3 | Mittlere | 0 | 0 | | . | . | | | | |
| 4 | Mittlere | 0 | 0 | | . | . | | | | |
| 5 | Mittlere | 0 | 0 | | . | . | | | | |
| 6 | Mittlere | 0 | 0 | | . | . | | | | |
| 7 | Mittlere | 0 | 0 | | . | . | | | | |
| 8 | Mittlere | 0 | 0 | | . | . | | | | |
| 9 | Mittlere | 0 | 0 | | . | . | | | | |
| 10 | Mittlere | 0 | 0 | | . | . | | | | |
| 11 | Mittlere | 0 | 0 | | . | . | | | | |
| 12 | Mittlere | 0 | 0 | | . | . | | | | |
| 13 | Mittlere | 0 | 0 | | . | . | | | | |
| 14 | Mittlere | 0 | 0 | | . | . | | | | |
| 15 | Mittlere | 0 | 0 | | . | . | | | | |
| 16 | Mittlere | 0 | 0 | | . | . | | | | |
| 17 | Mittlere | 0 | 0 | | . | . | | | | |
| 18 | Mittlere | 0 | 0 | | . | . | | | | |
| 19 | Mittlere | 0 | 0 | | . | . | | | | |

| | *M$_{yH,A}$ [kNm]* | *M$_{zH,A}$ [kNm]* | *M$_{yH,E}$ [kNm]* | *M$_{zH,E}$ [kNm]* | *Karakterisztika yy, E* | *Karakterisztika zz, V* | *Karakterisztika yy, E* | *Karakterisztika yy, V* |
|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | |
| 2 | | | | | | | | |
| 3 | | | | | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
| 6 | | | | | | | | |
| 7 | | | | | | | | |
| 8 | | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |
| 11 | | | | | | | | |
| 12 | | | | | | | | |
| 13 | | | | | | | | |
| 14 | | | | | | | | |
| 15 | | | | | | | | |
| 16 | | | | | | | | |
| 17 | | | | | | | | |
| 18 | | | | | | | | |
| 19 | | | | | | | | |

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## Plattenbalken

| | *Knot i* | *Knot j* | *Stablänge [m]* | *Lokal x* | *Material* | *Anfangs-querschnitt* | *End-querschnitt* | *$Ref_z$* |
|---|---|---|---|---|---|---|---|---|
| 20 | 28 | → 51 | 2,000 | i - j | 10 | 1 | 1 | Auto |

| | *Exc. Typ* | *Anfangs-exz. [mm]* | *End-exz. [mm]* | *Verbindung Steifigkeit\|[kN/m/m]* | *$Gl_A nf$* | *$Gl_{Ende}$* | *$s_{yy,A}$ [kNm/rad]* | *$s_{zz,A}$ [kNm/rad]* | *$s_{yy,E}$ [kNm/rad]* | *$s_{zz,E}$ [kNm/rad]* |
|---|---|---|---|---|---|---|---|---|---|---|
| 20 | Mittlere | 0 | 0 | | . | . | | | | |

| | *$M_{yH,A}$ [kNm]* | *$M_{zH,A}$ [kNm]* | *$M_{yH,E}$ [kNm]* | *$M_{zH,E}$ [kNm]* | *Karakterisztika yy, E* | *Karakterisztika zz, V* | *Karakterisztika yy, E* | *Karakterisztika yy, V* |
|---|---|---|---|---|---|---|---|---|
| 20 | | | | | | | | |

## EG1: Eigengew. des Plattenbalkens

| | *Σ [kg]* |
|---|---|
| 14–27 | 154,000 |
| 42–55 | 140,250 |
| 64–77 | 154,000 |
| 100–107 | 140,250 |
| 116–123 | 140,250 |
| 138–158 | 294,250 |
| 172–213 | 448,250 |
| 228–240 | 154,000 |
| **Gesamt** | **1625,250** |

## EG1: Eigengew. der Fläche

| | *Σ [kg]* |
|---|---|
| 1–1955 | 10338,000 |
| **Gesamt** | **10338,000** |

## EG1: Eigengewicht des Bereiches

| | *Σ [kg]* |
|---|---|
| 1–20 | 10338,000 |
| **Gesamt** | **10338,000** |

## Wasserdr: Flüssigkeitslast

| | *Richtung* | *X [m]* | *Y [m]* | *Fz [kN]* | *Fz [kN]* |
|---|---|---|---|---|---|
| 14 | Z | 2,000 | 0 | 0 | −20,00 |
| 15 | Z | 2,000 | 0 | 0 | −20,00 |
| 12 | Z | 2,000 | 0 | 0 | −20,00 |
| 13 | Z | 2,000 | 0 | 0 | −20,00 |
| 16 | Z | 2,000 | 0 | 0 | −20,00 |
| 19 | Z | 2,000 | 0 | 0 | −20,00 |
| 20 | Z | 2,000 | 0 | 0 | −20,00 |
| 17 | Z | 2,000 | 0 | 0 | −20,00 |
| 18 | Z | 2,000 | 0 | 0 | −20,00 |
| 11 | Z | 2,000 | 0 | 0 | −20,00 |

| | *Richtung* | *X [m]* | *Y [m]* | *Fz [kN]* | *Fz [kN]* |
|---|---|---|---|---|---|
| 4 | Z | 2,000 | 0 | 0 | −20,00 |
| 5 | Z | 2,000 | 0 | 0 | −20,00 |
| 2 | Z | 2,000 | 0 | 0 | −20,00 |
| 3 | Z | 2,000 | 0 | 0 | −20,00 |
| 6 | Z | 2,000 | 0 | 0 | −20,00 |
| 9 | Z | 2,000 | 0 | 0 | −20,00 |
| 10 | Z | 2,000 | 0 | 0 | −20,00 |
| 7 | Z | 2,000 | 0 | 0 | −20,00 |
| 8 | Z | 2,000 | 0 | 0 | −20,00 |

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## Erddr: Flüssigkeitslast

| | *Richtung* | *X [m]* | *Y [m]* | *Fz [kN]* | *Fz [kN]* |
|---|---|---|---|---|---|
| 9 | Z | 2,000 | 0 | 0,84 | 12,01 |
| 8 | Z | 2,000 | 0 | 0,84 | 12,01 |
| 11 | Z | 2,000 | 0 | 0,84 | 12,01 |
| 10 | Z | 2,000 | 0 | 0,84 | 12,01 |
| 7 | Z | 2,000 | 0 | 0,84 | 12,01 |
| 4 | Z | 2,000 | 0 | 0,84 | 12,01 |
| 3 | Z | 2,000 | 0 | 0,84 | 12,01 |
| 6 | Z | 2,000 | 0 | 0,84 | 12,01 |
| 5 | Z | 2,000 | 0 | 0,84 | 12,01 |
| 18 | Z | 2,000 | 0 | 0,84 | 12,01 |
| 17 | Z | 2,000 | 0 | 0,84 | 12,01 |
| 20 | Z | 2,000 | 0 | 0,84 | 12,01 |
| 19 | Z | 2,000 | 0 | 0,84 | 12,01 |
| 16 | Z | 2,000 | 0 | 0,84 | 12,01 |
| 13 | Z | 2,000 | 0 | 0,84 | 12,01 |
| 12 | Z | 2,000 | 0 | 0,84 | 12,01 |
| 15 | Z | 2,000 | 0 | 0,84 | 12,01 |
| 14 | Z | 2,000 | 0 | 0,84 | 12,01 |
| 2 | Z | 2,000 | 0 | 0,84 | 12,01 |

| | *Richtung* | *X [m]* | *Y [m]* | *Fz [kN]* | *Fz [kN]* |
|---|---|---|---|---|---|
| 9 | Z | 2,000 | 0 | 0,90 | 11,70 |
| 8 | Z | 2,000 | 0 | 0,90 | 11,70 |
| 11 | Z | 2,000 | 0 | 0,90 | 11,70 |
| 10 | Z | 2,000 | 0 | 0,90 | 11,70 |
| 7 | Z | 2,000 | 0 | 0,90 | 11,70 |
| 4 | Z | 2,000 | 0 | 0,90 | 11,70 |
| 3 | Z | 2,000 | 0 | 0,90 | 11,70 |
| 6 | Z | 2,000 | 0 | 0,90 | 11,70 |
| 5 | Z | 2,000 | 0 | 0,90 | 11,70 |
| 18 | Z | 2,000 | 0 | 0,90 | 11,70 |
| 17 | Z | 2,000 | 0 | 0,90 | 11,70 |
| 20 | Z | 2,000 | 0 | 0,90 | 11,70 |
| 19 | Z | 2,000 | 0 | 0,90 | 11,70 |
| 16 | Z | 2,000 | 0 | 0,90 | 11,70 |
| 13 | Z | 2,000 | 0 | 0,90 | 11,70 |
| 12 | Z | 2,000 | 0 | 0,90 | 11,70 |
| 15 | Z | 2,000 | 0 | 0,90 | 11,70 |
| 14 | Z | 2,000 | 0 | 0,90 | 11,70 |

## Lastfälle

| | *Name* | *Gruppe* | *Gruppentyp* |
|---|---|---|---|
| 1 | EG1 | STÃND1 | ständig |
| 2 | Wasserdr | VERÃND1 | veränderlich |
| 3 | Erddr | VERÃND1 | veränderlich |

## Lastgruppen (Eurocode-A)

| | *Gruppe* | *Typ* | $\gamma_{G,sup}$ | $\gamma_{G,inf}$ | $\xi$ | $\gamma$ | $\Psi_0$ | $\Psi_1$ | $\Psi_2$ | *Additive* |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | STÃND1 | ständig | 1,350 | 1,000 | | | | | | 1 |
| 2 | VERÃND1 | veränderlich | | | | 1,500 | 0,700 | 0,500 | 0,300 | 0 |

## Lastkombinationen

| | *Name* | *Typ* | *EG1* | *Wasserdr* | *Erddr* | *Bemerkung* |
|---|---|---|---|---|---|---|
| 1 | 1. Lk | ULS | 1,35 | 1,50 | 0 | |
| 2 | 2. Lk | SLS Quasi-ständig | 1,00 | 1,00 | 0 | |

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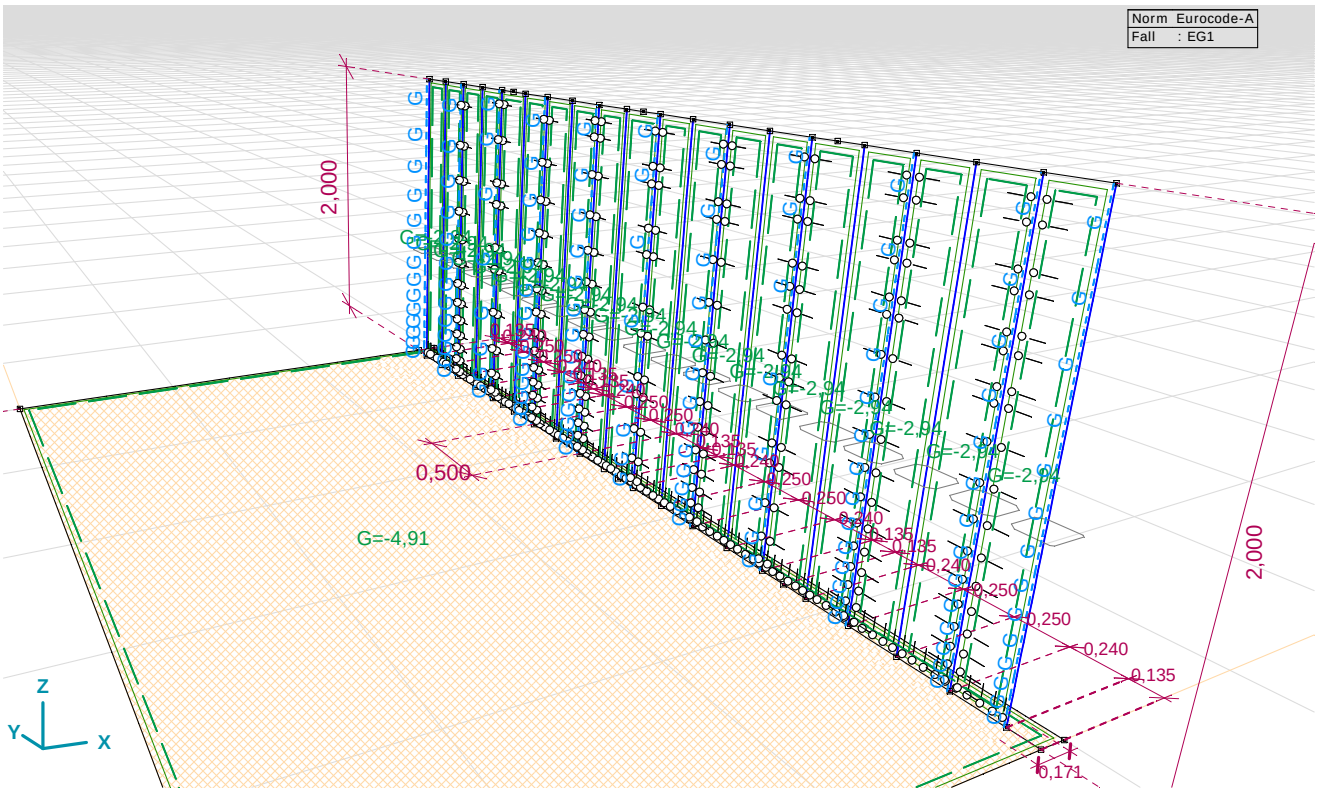
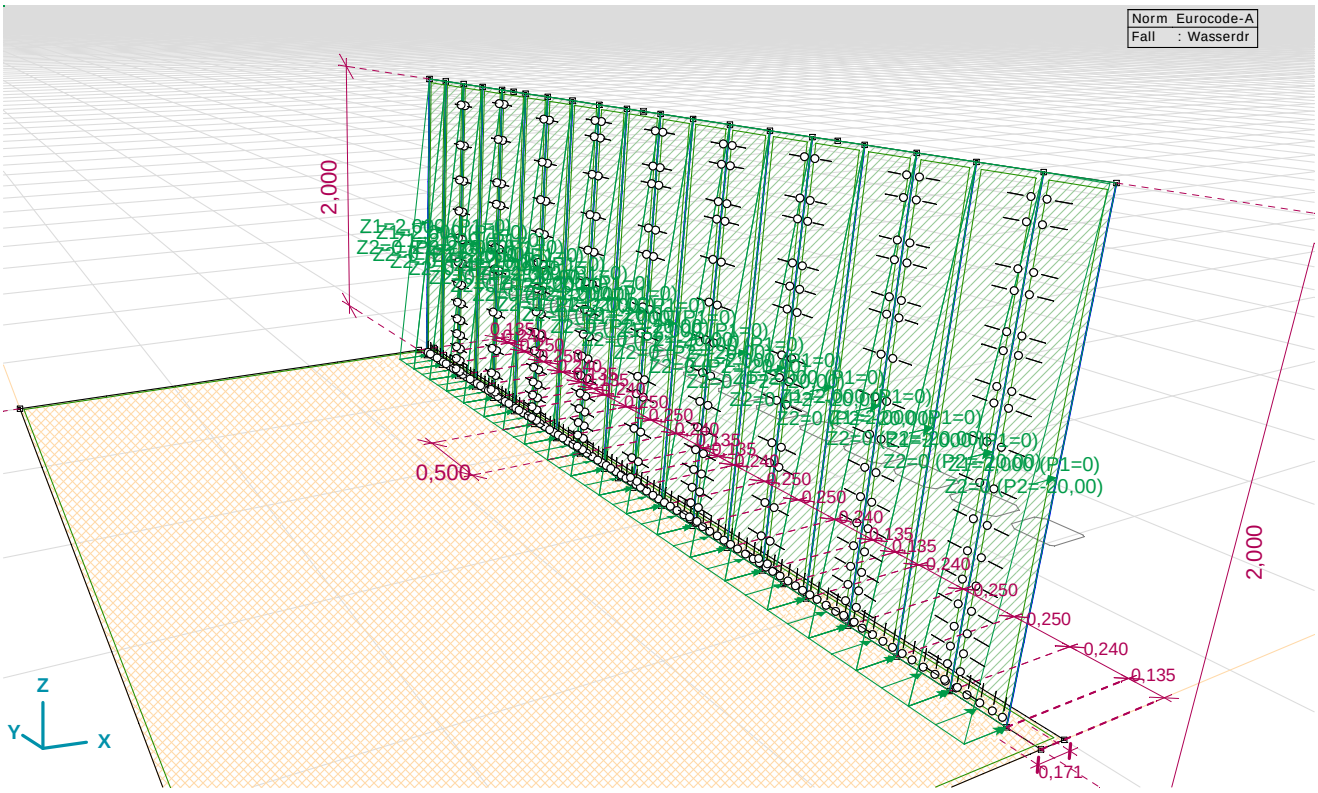
**Projekt: Poolwand**
Bearbeiter: GSB / Derntl
Modell: **Poolwand_h.2.00.axs**
29.04.2013 Seite 40




*Lasten EG1*




*Lasten Wasserdruck*

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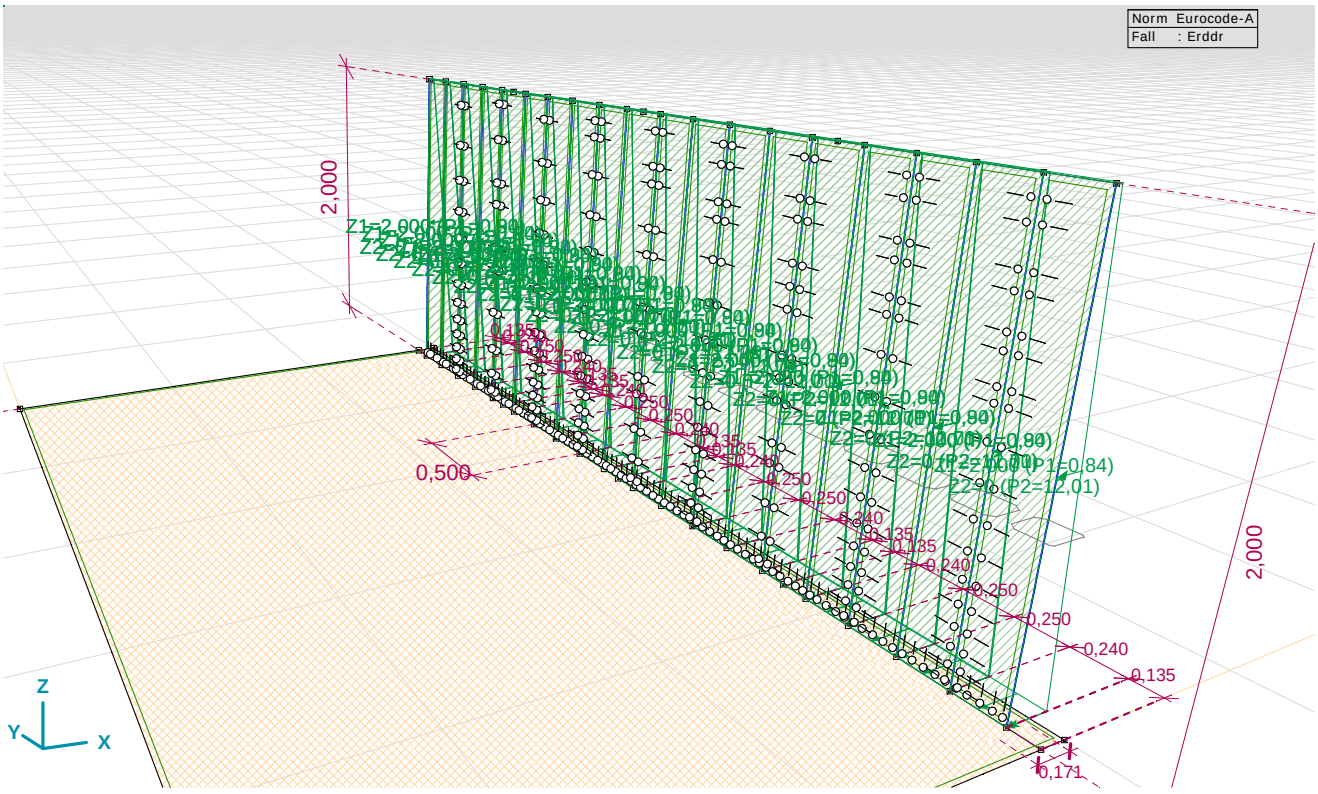
AxisVM 11.0 R4a · Registrierter Benutzer: Not For Resale Version

**Projekt: Poolwand**
Bearbeiter: GSB / Derntl
Modell: **Poolwand_h.2.00.axs**






*Lasten Erddruck*

## Plattenbalkenverschiebungen [Linear, Maßgebend Min./Max.(SLS Quasi-ständig)]

| | Pr. | K | min. max. | Abst. [m] | Knoten | ex [mm] | ey [mm] | ez [mm] | eR [mm] |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | | | L=2,000 | | | | | |
| | | ex | min | 2,000 | (30) | **−0,613** | −0,011 | 0,466 | 0,771 |
| | | | max | 0 | (7) | **−1,002** | −0,001 | −0,189 | 1,019 |
| | | ey | min | 2,000 | (30) | −0,834 | **−0,013** | −0,801 | 1,156 |
| | | | max | 0 | (7) | −0,612 | **0,007** | 0,224 | 0,652 |
| | | ez | min | 2,000 | (30) | −1,004 | −0,012 | **−1,801** | 2,062 |
| | | | max | 2,000 | (30) | −0,613 | −0,011 | **0,466** | 0,771 |
| | | fx | min | 2,000 | (30) | −1,004 | −0,012 | −1,801 | 2,062 |
| | | | max | 2,000 | (30) | −0,613 | −0,011 | 0,466 | 0,771 |
| | | fy | min | 2,000 | (30) | −0,613 | −0,011 | 0,466 | 0,771 |
| | | | max | 2,000 | (30) | −1,004 | −0,012 | −1,801 | 2,062 |
| | | fz | min | 0,780 | (995) | −1,003 | −0,005 | −0,785 | 1,274 |

| | Pr. | K | min. max. | Abst. [m] | Knoten | fx [rad] | fy [rad] | fz [rad] | fR [rad] | Maßgebende Kombination |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | | | L=2,000 | | | | | | |
| | | ex | min | 2,000 | (30) | 0,00006 | −0,00018 | −0,00001 | 0,00019 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (7) | −0,00001 | 0,00068 | 0 | 0,00068 | [EG1] {0,3*Wasserdr} |
| | | ey | min | 2,000 | (30) | 0 | 0,00040 | −0,00001 | 0,00040 | [EG1] |
| | | | max | 0 | (7) | 0,00003 | 0,00006 | −0,00001 | 0,00007 | [EG1] {0,3*Erddr} |
| | | ez | min | 2,000 | (30) | −0,00003 | 0,00084 | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | | max | 2,000 | (30) | 0,00006 | −0,00018 | −0,00001 | 0,00019 | [EG1] {0,3*Erddr} |
| | | fx | min | 2,000 | (30) | **−0,00003** | 0,00084 | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | | max | 2,000 | (30) | **0,00006** | −0,00018 | −0,00001 | 0,00019 | [EG1] {0,3*Erddr} |
| | | fy | min | 2,000 | (30) | 0,00006 | **−0,00018** | −0,00001 | 0,00019 | [EG1] {0,3*Erddr} |
| | | | max | 2,000 | (30) | −0,00003 | **0,00084** | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | fz | min | 0,780 | (995) | −0,00002 | 0,00081 | **−0,00001** | 0,00081 | [EG1] {0,3*Wasserdr} |

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## Plattenbalkenverschiebungen [Linear, Maßgebend Min./Max.(SLS Quasi-ständig)]

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *ex* *[mm]* | *ey* *[mm]* | *ez* *[mm]* | *eR* *[mm]* |
|---|---|---|---|---|---|---|---|---|---|
| | | | max | 1,019 | | −0,613 | −0,002 | 0,299 | 0,682 |
| 2 | 1 | | | L=2,000 | | | | | |
| | | ex | min | 2,000 | (34) | **−0,605** | −0,011 | 0,532 | 0,805 |
| | | | max | 0 | (11) | **−0,997** | 0 | −0,190 | 1,015 |
| | | ey | min | 2,000 | (34) | −0,828 | **−0,013** | −0,796 | 1,148 |
| | | | max | 0 | (11) | −0,603 | **0,007** | 0,230 | 0,646 |
| | | ez | min | 2,000 | (34) | −0,998 | −0,012 | **−1,814** | 2,071 |
| | | | max | 2,000 | (34) | −0,605 | −0,011 | **0,532** | 0,805 |
| | | fx | min | 2,000 | (34) | −0,998 | −0,012 | −1,814 | 2,071 |
| | | | max | 2,000 | (34) | −0,605 | −0,011 | 0,532 | 0,805 |
| | | fy | min | 2,000 | (34) | −0,605 | −0,011 | 0,532 | 0,805 |
| | | | max | 2,000 | (34) | −0,998 | −0,012 | −1,814 | 2,071 |
| | | fz | min | 1,156 | (874) | −0,998 | −0,007 | −1,105 | 1,489 |
| | | | max | 0 | (11) | −0,603 | 0,007 | 0,230 | 0,646 |
| 3 | 2 | | | L=2,000 | | | | | |
| | | ex | min | 2,000 | (36) | **−0,602** | −0,011 | 0,546 | 0,813 |
| | | | max | 0 | (13) | **−0,995** | 0 | −0,190 | 1,013 |
| | | ey | min | 2,000 | (36) | −0,826 | **−0,013** | −0,794 | 1,146 |
| | | | max | 0 | (13) | −0,601 | **0,007** | 0,231 | 0,644 |
| | | ez | min | 2,000 | (36) | −0,996 | −0,013 | **−1,816** | 2,071 |
| | | | max | 2,000 | (36) | −0,602 | −0,011 | **0,546** | 0,813 |
| | | fx | min | 0 | (13) | −0,995 | 0 | −0,190 | 1,013 |
| | | | max | 0 | (13) | −0,601 | 0,007 | 0,231 | 0,644 |
| | | fy | min | 1,830 | (946) | −0,602 | −0,009 | 0,513 | 0,791 |
| | | | max | 1,698 | | −0,996 | −0,011 | −1,562 | 1,853 |
| | | fz | min | 1,156 | (944) | −0,996 | −0,007 | −1,106 | 1,488 |
| | | | max | 0 | (13) | −0,601 | 0,007 | 0,231 | 0,644 |
| 4 | 2 | | | L=2,000 | | | | | |

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *fx* *[rad]* | *fy* *[rad]* | *fz* *[rad]* | *fR* *[rad]* | *Maßgebende Kombination* |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | max | 1,019 | | 0,00005 | −0,00015 | **−0,00001** | 0,00016 | [EG1] {0,3*Erddr} |
| 2 | 1 | | | L=2,000 | | | | | | |
| | | ex | min | 2,000 | (34) | 0,00005 | −0,00019 | −0,00001 | 0,00020 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (11) | 0 | 0,00068 | −0,00001 | 0,00068 | [EG1] {0,3*Wasserdr} |
| | | ey | min | 2,000 | (34) | 0,00001 | 0,00040 | −0,00001 | 0,00040 | [EG1] |
| | | | max | 0 | (11) | 0,00001 | 0,00003 | −0,00001 | 0,00003 | [EG1] {0,3*Erddr} |
| | | ez | min | 2,000 | (34) | −0,00001 | 0,00084 | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | | max | 2,000 | (34) | 0,00005 | −0,00019 | −0,00001 | 0,00020 | [EG1] {0,3*Erddr} |
| | | fx | min | 2,000 | (34) | **−0,00001** | 0,00084 | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | | max | 2,000 | (34) | **0,00005** | −0,00019 | −0,00001 | 0,00020 | [EG1] {0,3*Erddr} |
| | | fy | min | 2,000 | (34) | 0,00005 | **−0,00019** | −0,00001 | 0,00020 | [EG1] {0,3*Erddr} |
| | | | max | 2,000 | (34) | −0,00001 | **0,00084** | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | fz | min | 1,156 | (874) | 0 | 0,00084 | **−0,00001** | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (11) | 0,00001 | 0,00003 | **−0,00001** | 0,00003 | [EG1] {0,3*Erddr} |
| 3 | 2 | | | L=2,000 | | | | | | |
| | | ex | min | 2,000 | (36) | 0,00001 | −0,00020 | −0,00001 | 0,00020 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (13) | 0 | 0,00067 | −0,00001 | 0,00067 | [EG1] {0,3*Wasserdr} |
| | | ey | min | 2,000 | (36) | 0 | 0,00040 | −0,00001 | 0,00040 | [EG1] |
| | | | max | 0 | (13) | 0,00001 | 0,00003 | −0,00001 | 0,00003 | [EG1] {0,3*Erddr} |
| | | ez | min | 2,000 | (36) | 0 | 0,00084 | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | | max | 2,000 | (36) | 0,00001 | −0,00020 | −0,00001 | 0,00020 | [EG1] {0,3*Erddr} |
| | | fx | min | 0 | (13) | **0** | 0,00067 | −0,00001 | 0,00067 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (13) | **0,00001** | 0,00003 | −0,00001 | 0,00003 | [EG1] {0,3*Erddr} |
| | | fy | min | 1,830 | (946) | 0,00001 | **−0,00020** | −0,00001 | 0,00020 | [EG1] {0,3*Erddr} |
| | | | max | 1,698 | | 0 | **0,00084** | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | fz | min | 1,156 | (944) | 0 | 0,00084 | **−0,00001** | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (13) | 0,00001 | 0,00003 | **−0,00001** | 0,00003 | [EG1] {0,3*Erddr} |
| 4 | 2 | | | L=2,000 | | | | | | |

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## Plattenbalkenverschiebungen [Linear, Maßgebend Min./Max.(SLS Quasi-ständig)]

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *ex* *[mm]* | *ey* *[mm]* | *ez* *[mm]* | *eR* *[mm]* |
|---|---|---|---|---|---|---|---|---|---|
| | | ex | min | 2,000 | (40) | **−0,594** | −0,010 | 0,578 | 0,829 |
| | | | max | 0 | (17) | **−0,989** | 0 | −0,190 | 1,007 |
| | | ey | min | 2,000 | (40) | −0,820 | **−0,013** | −0,788 | 1,137 |
| | | | max | 0 | (17) | −0,593 | **0,007** | 0,236 | 0,638 |
| | | ez | min | 2,000 | (40) | −0,990 | −0,013 | **−1,814** | 2,067 |
| | | | max | 2,000 | (40) | −0,594 | −0,010 | **0,578** | 0,829 |
| | | fx | min | 0 | (17) | −0,819 | 0 | 0 | 0,819 |
| | | | max | 0 | (17) | −0,593 | 0,007 | 0,236 | 0,638 |
| | | fy | min | 1,830 | (897) | −0,594 | −0,009 | 0,542 | 0,804 |
| | | | max | 1,698 | | −0,990 | −0,011 | −1,560 | 1,848 |
| | | fz | min | 0,943 | | −0,819 | −0,006 | −0,371 | 0,900 |
| | | | max | 0 | (17) | −0,593 | 0,007 | 0,236 | 0,638 |
| 5 | 1 | | | L=2,000 | | | | | |
| | | ex | min | 2,000 | (42) | **−0,592** | −0,010 | 0,582 | 0,830 |
| | | | max | 0 | (19) | **−0,988** | 0 | −0,191 | 1,006 |
| | | ey | min | 2,000 | (42) | −0,818 | **−0,013** | −0,786 | 1,135 |
| | | | max | 0 | (19) | −0,590 | **0,007** | 0,237 | 0,636 |
| | | ez | min | 2,000 | (42) | −0,989 | −0,013 | **−1,812** | 2,064 |
| | | | max | 2,000 | (42) | −0,592 | −0,010 | **0,582** | 0,830 |
| | | fx | min | 0 | (19) | −0,988 | 0 | −0,191 | 1,006 |
| | | | max | 2,000 | (42) | −0,592 | −0,010 | 0,582 | 0,830 |
| | | fy | min | 2,000 | (42) | −0,592 | −0,010 | 0,582 | 0,830 |
| | | | max | 2,000 | (42) | −0,989 | −0,013 | −1,812 | 2,064 |
| | | fz | min | 0,943 | | −0,818 | −0,006 | −0,370 | 0,898 |
| | | | max | 0 | (19) | −0,590 | 0,007 | 0,237 | 0,636 |
| 6 | 1 | | | L=2,000 | | | | | |
| | | ex | min | 2,000 | (46) | **−0,583** | −0,010 | 0,591 | 0,830 |
| | | | max | 0 | (23) | **−0,981** | 0 | −0,191 | 0,999 |
| | | ey | min | 2,000 | (46) | −0,982 | **−0,013** | −1,804 | 2,054 |

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *fx* *[rad]* | *fy* *[rad]* | *fz* *[rad]* | *fR* *[rad]* | *Maßgebende Kombination* |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ex | min | 2,000 | (40) | 0 | −0,00021 | −0,00001 | 0,00021 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (17) | 0 | 0,00067 | −0,00001 | 0,00067 | [EG1] {0,3*Wasserdr} |
| | | ey | min | 2,000 | (40) | 0 | 0,00039 | −0,00001 | 0,00039 | [EG1] |
| | | | max | 0 | (17) | 0 | 0,00002 | −0,00001 | 0,00002 | [EG1] {0,3*Erddr} |
| | | ez | min | 2,000 | (40) | 0 | 0,00084 | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | | max | 2,000 | (40) | 0 | −0,00021 | −0,00001 | 0,00021 | [EG1] {0,3*Erddr} |
| | | fx | min | 0 | (17) | **0** | 0,00039 | −0,00001 | 0,00039 | [EG1] |
| | | | max | 0 | (17) | **0** | 0,00002 | −0,00001 | 0,00002 | [EG1] {0,3*Erddr} |
| | | fy | min | 1,830 | (897) | 0 | **−0,00021** | −0,00001 | 0,00021 | [EG1] {0,3*Erddr} |
| | | | max | 1,698 | | 0 | **0,00084** | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | fz | min | 0,943 | | 0 | 0,00039 | **−0,00001** | 0,00039 | [EG1] |
| | | | max | 0 | (17) | 0 | 0,00002 | **−0,00001** | 0,00002 | [EG1] {0,3*Erddr} |
| 5 | 1 | | | L=2,000 | | | | | | |
| | | ex | min | 2,000 | (42) | 0,00001 | −0,00022 | −0,00001 | 0,00022 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (19) | 0 | 0,00068 | −0,00001 | 0,00068 | [EG1] {0,3*Wasserdr} |
| | | ey | min | 2,000 | (42) | 0 | 0,00039 | −0,00001 | 0,00039 | [EG1] |
| | | | max | 0 | (19) | 0 | 0,00001 | −0,00001 | 0,00002 | [EG1] {0,3*Erddr} |
| | | ez | min | 2,000 | (42) | 0,00001 | 0,00084 | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | | max | 2,000 | (42) | 0,00001 | −0,00022 | −0,00001 | 0,00022 | [EG1] {0,3*Erddr} |
| | | fx | min | 0 | (19) | **0** | 0,00068 | −0,00001 | 0,00068 | [EG1] {0,3*Wasserdr} |
| | | | max | 2,000 | (42) | **0,00001** | −0,00022 | −0,00001 | 0,00022 | [EG1] {0,3*Erddr} |
| | | fy | min | 2,000 | (42) | 0,00001 | **−0,00022** | −0,00001 | 0,00022 | [EG1] {0,3*Erddr} |
| | | | max | 2,000 | (42) | 0,00001 | **0,00084** | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | fz | min | 0,943 | | 0 | 0,00039 | **−0,00001** | 0,00039 | [EG1] |
| | | | max | 0 | (19) | 0 | 0,00001 | **−0,00001** | 0,00002 | [EG1] {0,3*Erddr} |
| 6 | 1 | | | L=2,000 | | | | | | |
| | | ex | min | 2,000 | (46) | 0 | −0,00022 | −0,00001 | 0,00022 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (23) | 0 | 0,00067 | −0,00001 | 0,00067 | [EG1] {0,3*Wasserdr} |
| | | ey | min | 2,000 | (46) | 0,00001 | 0,00084 | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |

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## Plattenbalkenverschiebungen [Linear, Maßgebend Min./Max.(SLS Quasi-ständig)]

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *ex* *[mm]* | *ey* *[mm]* | *ez* *[mm]* | *eR* *[mm]* |
|---|---|---|---|---|---|---|---|---|---|
| | | | max | 0 | (23) | −0,582 | **0,007** | 0,242 | 0,630 |
| | | ez | min | 2,000 | (46) | −0,982 | −0,013 | **−1,804** | 2,054 |
| | | | max | 2,000 | (46) | −0,583 | −0,010 | **0,591** | 0,830 |
| | | fx | min | 0 | (23) | −0,810 | 0 | 0 | 0,810 |
| | | | max | 0,336 | | −0,583 | 0,004 | 0,264 | 0,640 |
| | | fy | min | 2,000 | (46) | −0,583 | −0,010 | 0,591 | 0,830 |
| | | | max | 2,000 | (46) | −0,982 | −0,013 | −1,804 | 2,054 |
| | | fz | min | 0 | (23) | −0,981 | 0 | −0,191 | 0,999 |
| | | | max | 1,361 | | −0,982 | −0,009 | −1,270 | 1,605 |
| 7 | 2 | | | L=2,000 | | | | | |
| | | ex | min | 2,000 | (48) | **−0,581** | −0,010 | 0,591 | 0,829 |
| | | | max | 0 | (25) | **−0,979** | 0 | −0,190 | 0,997 |
| | | ey | min | 2,000 | (48) | −0,980 | **−0,013** | −1,801 | 2,051 |
| | | | max | 0 | (25) | −0,580 | **0,007** | 0,243 | 0,629 |
| | | ez | min | 2,000 | (48) | −0,980 | −0,013 | **−1,801** | 2,051 |
| | | | max | 2,000 | (48) | −0,581 | −0,010 | **0,591** | 0,829 |
| | | fx | min | 0 | (25) | −0,809 | 0 | 0 | 0,809 |
| | | | max | 0 | (25) | −0,580 | 0,007 | 0,243 | 0,629 |
| | | fy | min | 1,830 | (912) | −0,581 | −0,009 | 0,555 | 0,803 |
| | | | max | 1,830 | (912) | −0,980 | −0,012 | −1,660 | 1,928 |
| | | fz | min | 2,000 | (48) | −0,980 | −0,013 | −1,801 | 2,051 |
| | | | max | 0 | (25) | −0,580 | 0,007 | 0,243 | 0,629 |
| 8 | 2 | | | L=2,000 | | | | | |
| | | ex | min | 2,000 | (52) | **−0,573** | −0,010 | 0,571 | 0,809 |
| | | | max | 0 | (29) | **−0,971** | 0,001 | −0,189 | 0,989 |
| | | ey | min | 2,000 | (52) | −0,973 | **−0,014** | −1,783 | 2,031 |
| | | | max | 0 | (29) | −0,572 | **0,007** | 0,247 | 0,623 |
| | | ez | min | 2,000 | (52) | −0,973 | −0,014 | **−1,783** | 2,031 |
| | | | max | 2,000 | (52) | −0,573 | −0,010 | **0,571** | 0,809 |

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *fx* *[rad]* | *fy* *[rad]* | *fz* *[rad]* | *fR* *[rad]* | *Maßgebende Kombination* |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | max | 0 | (23) | 0,00001 | 0,00001 | −0,00001 | 0,00001 | [EG1] {0,3*Erddr} |
| | | ez | min | 2,000 | (46) | 0,00001 | 0,00084 | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | | max | 2,000 | (46) | 0 | −0,00022 | −0,00001 | 0,00022 | [EG1] {0,3*Erddr} |
| | | fx | min | 0 | (23) | **0** | 0,00039 | −0,00001 | 0,00039 | [EG1] |
| | | | max | 0,336 | | **0,00001** | −0,00011 | −0,00001 | 0,00011 | [EG1] {0,3*Erddr} |
| | | fy | min | 2,000 | (46) | 0 | **−0,00022** | −0,00001 | 0,00022 | [EG1] {0,3*Erddr} |
| | | | max | 2,000 | (46) | 0,00001 | **0,00084** | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | fz | min | 0 | (23) | 0 | 0,00067 | **−0,00001** | 0,00067 | [EG1] {0,3*Wasserdr} |
| | | | max | 1,361 | | 0,00001 | 0,00083 | **−0,00001** | 0,00083 | [EG1] {0,3*Wasserdr} |
| 7 | 2 | | | L=2,000 | | | | | | |
| | | ex | min | 2,000 | (48) | 0 | −0,00022 | −0,00001 | 0,00022 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (25) | 0 | 0,00067 | −0,00001 | 0,00067 | [EG1] {0,3*Wasserdr} |
| | | ey | min | 2,000 | (48) | 0 | 0,00083 | −0,00001 | 0,00083 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (25) | 0 | 0,00002 | −0,00001 | 0,00002 | [EG1] {0,3*Erddr} |
| | | ez | min | 2,000 | (48) | 0 | 0,00083 | −0,00001 | 0,00083 | [EG1] {0,3*Wasserdr} |
| | | | max | 2,000 | (48) | 0 | −0,00022 | −0,00001 | 0,00022 | [EG1] {0,3*Erddr} |
| | | fx | min | 0 | (25) | **0** | 0,00039 | −0,00001 | 0,00039 | [EG1] |
| | | | max | 0 | (25) | **0** | 0,00002 | −0,00001 | 0,00002 | [EG1] {0,3*Erddr} |
| | | fy | min | 1,830 | (912) | 0 | **−0,00022** | −0,00001 | 0,00022 | [EG1] {0,3*Erddr} |
| | | | max | 1,830 | (912) | 0 | **0,00083** | −0,00001 | 0,00083 | [EG1] {0,3*Wasserdr} |
| | | fz | min | 2,000 | (48) | 0 | 0,00083 | **−0,00001** | 0,00083 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (25) | 0 | 0,00002 | **−0,00001** | 0,00002 | [EG1] {0,3*Erddr} |
| 8 | 2 | | | L=2,000 | | | | | | |
| | | ex | min | 2,000 | (52) | −0,00003 | −0,00021 | −0,00001 | 0,00021 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (29) | 0,00001 | 0,00066 | −0,00001 | 0,00066 | [EG1] {0,3*Wasserdr} |
| | | ey | min | 2,000 | (52) | 0,00002 | 0,00083 | −0,00001 | 0,00083 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (29) | −0,00001 | 0,00003 | −0,00001 | 0,00003 | [EG1] {0,3*Erddr} |
| | | ez | min | 2,000 | (52) | 0,00002 | 0,00083 | −0,00001 | 0,00083 | [EG1] {0,3*Wasserdr} |
| | | | max | 2,000 | (52) | −0,00003 | −0,00021 | −0,00001 | 0,00021 | [EG1] {0,3*Erddr} |

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## Plattenbalkenverschiebungen [Linear, Maßgebend Min./Max.(SLS Quasi-ständig)]

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *ex* *[mm]* | *ey* *[mm]* | *ez* *[mm]* | *eR* *[mm]* |
|---|---|---|---|---|---|---|---|---|---|
| | | fx | min | 0,138 | (834) | −0,572 | 0,006 | 0,248 | 0,624 |
| | | | max | 0,178 | | −0,972 | −0,001 | −0,313 | 1,021 |
| | | fy | min | 2,000 | (52) | −0,573 | −0,010 | 0,571 | 0,809 |
| | | | max | 2,000 | (52) | −0,973 | −0,014 | −1,783 | 2,031 |
| | | fz | min | 1,104 | (842) | −0,573 | −0,002 | 0,384 | 0,690 |
| | | | max | 0,780 | (840) | −0,973 | −0,005 | −0,777 | 1,245 |
| 9 | 1 | | | L=2,000 | | | | | |
| | | ex | min | 2,000 | (31) | **−0,611** | −0,011 | 0,482 | 0,779 |
| | | | max | 0 | (8) | **−1,001** | −0,001 | −0,190 | 1,019 |
| | | ey | min | 2,000 | (31) | −0,832 | **−0,013** | −0,800 | 1,155 |
| | | | max | 0 | (8) | −0,610 | **0,007** | 0,225 | 0,650 |
| | | ez | min | 2,000 | (31) | −1,002 | −0,012 | **−1,807** | 2,066 |
| | | | max | 2,000 | (31) | −0,611 | −0,011 | **0,482** | 0,779 |
| | | fx | min | 0 | (8) | −1,001 | −0,001 | −0,190 | 1,019 |
| | | | max | 0 | (8) | −0,610 | 0,007 | 0,225 | 0,650 |
| | | fy | min | 2,000 | (31) | −0,611 | −0,011 | 0,482 | 0,779 |
| | | | max | 2,000 | (31) | −1,002 | −0,012 | −1,807 | 2,066 |
| | | fz | min | 0,867 | | −1,002 | −0,006 | −0,861 | 1,321 |
| | | | max | 1,028 | | −0,611 | −0,002 | 0,313 | 0,687 |
| 10 | 1 | | | L=2,000 | | | | | |
| | | ex | min | 2,000 | (32) | **−0,609** | −0,011 | 0,500 | 0,788 |
| | | | max | 0 | (9) | **−1,000** | 0 | −0,190 | 1,018 |
| | | ey | min | 2,000 | (32) | −0,831 | **−0,013** | −0,799 | 1,153 |
| | | | max | 0 | (9) | −0,608 | **0,007** | 0,227 | 0,649 |
| | | ez | min | 2,000 | (32) | −1,001 | −0,012 | **−1,810** | 2,068 |
| | | | max | 2,000 | (32) | −0,609 | −0,011 | **0,500** | 0,788 |
| | | fx | min | 2,000 | (32) | −1,001 | −0,012 | −1,810 | 2,068 |
| | | | max | 2,000 | (32) | −0,609 | −0,011 | 0,500 | 0,788 |
| | | fy | min | 2,000 | (32) | −0,609 | −0,011 | 0,500 | 0,788 |

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *fx* *[rad]* | *fy* *[rad]* | *fz* *[rad]* | *fR* *[rad]* | *Maßgebende Kombination* |
|---|---|---|---|---|---|---|---|---|---|---|
| | | fx | min | 0,138 | (834) | **−0,00001** | −0,00003 | −0,00001 | 0,00004 | [EG1] {0,3*Erddr} |
| | | | max | 0,178 | | **0,00001** | 0,00072 | −0,00001 | 0,00072 | [EG1] {0,3*Wasserdr} |
| | | fy | min | 2,000 | (52) | −0,00003 | **−0,00021** | −0,00001 | 0,00021 | [EG1] {0,3*Erddr} |
| | | | max | 2,000 | (52) | 0,00002 | **0,00083** | −0,00001 | 0,00083 | [EG1] {0,3*Wasserdr} |
| | | fz | min | 1,104 | (842) | −0,00002 | −0,00020 | **−0,00001** | 0,00020 | [EG1] {0,3*Erddr} |
| | | | max | 0,780 | (840) | 0,00002 | 0,00080 | **−0,00001** | 0,00080 | [EG1] {0,3*Wasserdr} |
| 9 | 1 | | | L=2,000 | | | | | | |
| | | ex | min | 2,000 | (31) | 0,00001 | −0,00018 | −0,00001 | 0,00018 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (8) | 0 | 0,00068 | 0 | 0,00068 | [EG1] {0,3*Wasserdr} |
| | | ey | min | 2,000 | (31) | 0 | 0,00040 | −0,00001 | 0,00040 | [EG1] |
| | | | max | 0 | (8) | 0,00001 | 0,00005 | −0,00001 | 0,00005 | [EG1] {0,3*Erddr} |
| | | ez | min | 2,000 | (31) | 0 | 0,00084 | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | | max | 2,000 | (31) | 0,00001 | −0,00018 | −0,00001 | 0,00018 | [EG1] {0,3*Erddr} |
| | | fx | min | 0 | (8) | **0** | 0,00068 | 0 | 0,00068 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (8) | **0,00001** | 0,00005 | −0,00001 | 0,00005 | [EG1] {0,3*Erddr} |
| | | fy | min | 2,000 | (31) | 0,00001 | **−0,00018** | −0,00001 | 0,00018 | [EG1] {0,3*Erddr} |
| | | | max | 2,000 | (31) | 0 | **0,00084** | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | fz | min | 0,867 | | 0 | 0,00082 | **−0,00001** | 0,00082 | [EG1] {0,3*Wasserdr} |
| | | | max | 1,028 | | 0,00001 | −0,00016 | **−0,00001** | 0,00016 | [EG1] {0,3*Erddr} |
| 10 | 1 | | | L=2,000 | | | | | | |
| | | ex | min | 2,000 | (32) | 0,00007 | −0,00018 | −0,00001 | 0,00020 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (9) | 0 | 0,00068 | −0,00001 | 0,00068 | [EG1] {0,3*Wasserdr} |
| | | ey | min | 2,000 | (32) | 0,00001 | 0,00040 | −0,00001 | 0,00040 | [EG1] |
| | | | max | 0 | (9) | 0,00001 | 0,00004 | −0,00001 | 0,00004 | [EG1] {0,3*Erddr} |
| | | ez | min | 2,000 | (32) | −0,00001 | 0,00084 | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | | max | 2,000 | (32) | 0,00007 | −0,00018 | −0,00001 | 0,00020 | [EG1] {0,3*Erddr} |
| | | fx | min | 2,000 | (32) | **−0,00001** | 0,00084 | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | | max | 2,000 | (32) | **0,00007** | −0,00018 | −0,00001 | 0,00020 | [EG1] {0,3*Erddr} |
| | | fy | min | 2,000 | (32) | 0,00007 | **−0,00018** | −0,00001 | 0,00020 | [EG1] {0,3*Erddr} |

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## Plattenbalkenverschiebungen [Linear, Maßgebend Min./Max.(SLS Quasi-ständig)]

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *ex* *[mm]* | *ey* *[mm]* | *ez* *[mm]* | *eR* *[mm]* |
|---|---|---|---|---|---|---|---|---|---|
| | | | max | 2,000 | (32) | −1,001 | −0,012 | −1,810 | 2,068 |
| | | fz | min | 1,066 | (802) | −1,001 | −0,007 | −1,027 | 1,434 |
| | | | max | 0,977 | | −0,609 | −0,002 | 0,318 | 0,687 |
| 11 | 1 | | | L=2,000 | | | | | |
| | | ex | min | 2,000 | (33) | **−0,607** | −0,011 | 0,519 | 0,799 |
| | | | max | 0 | (10) | **−0,998** | 0 | −0,190 | 1,016 |
| | | ey | min | 2,000 | (33) | −0,829 | **−0,013** | −0,797 | 1,150 |
| | | | max | 0 | (10) | −0,606 | **0,007** | 0,228 | 0,647 |
| | | ez | min | 2,000 | (33) | −1,000 | −0,012 | **−1,813** | 2,070 |
| | | | max | 2,000 | (33) | −0,607 | −0,011 | **0,519** | 0,799 |
| | | fx | min | 0 | (10) | −0,998 | 0 | −0,190 | 1,016 |
| | | | max | 0 | (10) | −0,606 | 0,007 | 0,228 | 0,647 |
| | | fy | min | 2,000 | (33) | −0,607 | −0,011 | 0,519 | 0,799 |
| | | | max | 1,871 | | −1,000 | −0,012 | −1,705 | 1,976 |
| | | fz | min | 1,113 | (815) | −0,999 | −0,007 | −1,069 | 1,463 |
| | | | max | 0 | (10) | −0,606 | 0,007 | 0,228 | 0,647 |
| 12 | 1 | | | L=2,000 | | | | | |
| | | ex | min | 2,000 | (37) | **−0,600** | −0,011 | 0,555 | 0,818 |
| | | | max | 0 | (14) | **−0,994** | 0 | −0,191 | 1,012 |
| | | ey | min | 2,000 | (37) | −0,824 | **−0,013** | −0,792 | 1,143 |
| | | | max | 0 | (14) | −0,599 | **0,007** | 0,232 | 0,643 |
| | | ez | min | 2,000 | (37) | −0,995 | −0,013 | **−1,815** | 2,070 |
| | | | max | 2,000 | (37) | −0,600 | −0,011 | **0,555** | 0,818 |
| | | fx | min | 0 | (14) | −0,994 | 0 | −0,191 | 1,012 |
| | | | max | 2,000 | (37) | −0,600 | −0,011 | 0,555 | 0,818 |
| | | fy | min | 2,000 | (37) | −0,600 | −0,011 | 0,555 | 0,818 |
| | | | max | 2,000 | (37) | −0,995 | −0,013 | −1,815 | 2,070 |
| | | fz | min | 1,028 | | −0,995 | −0,007 | −0,999 | 1,410 |
| | | | max | 0 | (14) | −0,599 | 0,007 | 0,232 | 0,643 |

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *fx* *[rad]* | *fy* *[rad]* | *fz* *[rad]* | *fR* *[rad]* | *Maßgebende Kombination* |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | max | 2,000 | (32) | −0,00001 | **0,00084** | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | fz | min | 1,066 | (802) | −0,00001 | 0,00083 | **−0,00001** | 0,00083 | [EG1] {0,3*Wasserdr} |
| | | | max | 0,977 | | 0,00005 | −0,00016 | **−0,00001** | 0,00017 | [EG1] {0,3*Erddr} |
| 11 | 1 | | | L=2,000 | | | | | | |
| | | ex | min | 2,000 | (33) | 0,00001 | −0,00019 | −0,00001 | 0,00019 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (10) | 0 | 0,00068 | −0,00001 | 0,00068 | [EG1] {0,3*Wasserdr} |
| | | ey | min | 2,000 | (33) | 0 | 0,00040 | −0,00001 | 0,00040 | [EG1] |
| | | | max | 0 | (10) | 0,00001 | 0,00004 | −0,00001 | 0,00004 | [EG1] {0,3*Erddr} |
| | | ez | min | 2,000 | (33) | 0 | 0,00084 | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | | max | 2,000 | (33) | 0,00001 | −0,00019 | −0,00001 | 0,00019 | [EG1] {0,3*Erddr} |
| | | fx | min | 0 | (10) | **0** | 0,00068 | −0,00001 | 0,00068 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (10) | **0,00001** | 0,00004 | −0,00001 | 0,00004 | [EG1] {0,3*Erddr} |
| | | fy | min | 2,000 | (33) | 0,00001 | **−0,00019** | −0,00001 | 0,00019 | [EG1] {0,3*Erddr} |
| | | | max | 1,871 | | 0 | **0,00084** | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | fz | min | 1,113 | (815) | 0 | 0,00083 | **−0,00001** | 0,00083 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (10) | 0,00001 | 0,00004 | **−0,00001** | 0,00004 | [EG1] {0,3*Erddr} |
| 12 | 1 | | | L=2,000 | | | | | | |
| | | ex | min | 2,000 | (37) | 0,00003 | −0,00020 | −0,00001 | 0,00021 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (14) | 0 | 0,00068 | −0,00001 | 0,00068 | [EG1] {0,3*Wasserdr} |
| | | ey | min | 2,000 | (37) | 0,00001 | 0,00040 | −0,00001 | 0,00040 | [EG1] |
| | | | max | 0 | (14) | 0,00001 | 0,00002 | −0,00001 | 0,00002 | [EG1] {0,3*Erddr} |
| | | ez | min | 2,000 | (37) | 0 | 0,00084 | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | | max | 2,000 | (37) | 0,00003 | −0,00020 | −0,00001 | 0,00021 | [EG1] {0,3*Erddr} |
| | | fx | min | 0 | (14) | **0** | 0,00068 | −0,00001 | 0,00068 | [EG1] {0,3*Wasserdr} |
| | | | max | 2,000 | (37) | **0,00003** | −0,00020 | −0,00001 | 0,00021 | [EG1] {0,3*Erddr} |
| | | fy | min | 2,000 | (37) | 0,00003 | **−0,00020** | −0,00001 | 0,00021 | [EG1] {0,3*Erddr} |
| | | | max | 2,000 | (37) | 0 | **0,00084** | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | fz | min | 1,028 | | 0 | 0,00083 | **−0,00001** | 0,00083 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (14) | 0,00001 | 0,00002 | **−0,00001** | 0,00002 | [EG1] {0,3*Erddr} |

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## Plattenbalkenverschiebungen [Linear, Maßgebend Min./Max.(SLS Quasi-ständig)]

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *ex* *[mm]* | *ey* *[mm]* | *ez* *[mm]* | *eR* *[mm]* |
|---|---|---|---|---|---|---|---|---|---|
| 13 | 1 | | | L=2,000 | | | | | |
| | | ex | min | 2,000 | (38) | **−0,598** | −0,011 | 0,564 | 0,822 |
| | | | max | 0 | (15) | **−0,992** | 0 | −0,190 | 1,011 |
| | | ey | min | 2,000 | (38) | −0,823 | **−0,013** | −0,790 | 1,141 |
| | | | max | 0 | (15) | −0,597 | **0,007** | 0,233 | 0,641 |
| | | ez | min | 2,000 | (38) | −0,993 | −0,013 | **−1,815** | 2,069 |
| | | | max | 2,000 | (38) | −0,598 | −0,011 | **0,564** | 0,822 |
| | | fx | min | 0 | (15) | −0,992 | 0 | −0,190 | 1,011 |
| | | | max | 0 | (15) | −0,597 | 0,007 | 0,233 | 0,641 |
| | | fy | min | 1,863 | | −0,598 | −0,009 | 0,535 | 0,803 |
| | | | max | 1,727 | (938) | −0,993 | −0,011 | −1,585 | 1,871 |
| | | fz | min | 0,977 | | −0,993 | −0,006 | −0,956 | 1,378 |
| | | | max | 0 | (15) | −0,597 | 0,007 | 0,233 | 0,641 |
| 14 | 1 | | | L=2,000 | | | | | |
| | | ex | min | 2,000 | (39) | **−0,596** | −0,010 | 0,571 | 0,825 |
| | | | max | 0 | (16) | **−0,991** | 0 | −0,191 | 1,009 |
| | | ey | min | 2,000 | (39) | −0,821 | **−0,013** | −0,789 | 1,139 |
| | | | max | 0 | (16) | −0,595 | **0,007** | 0,235 | 0,639 |
| | | ez | min | 2,000 | (39) | −0,992 | −0,013 | **−1,814** | 2,068 |
| | | | max | 2,000 | (39) | −0,596 | −0,010 | **0,571** | 0,825 |
| | | fx | min | 0 | (16) | −0,991 | 0 | −0,191 | 1,009 |
| | | | max | 2,000 | (39) | −0,596 | −0,010 | 0,571 | 0,825 |
| | | fy | min | 1,871 | | −0,596 | −0,009 | 0,544 | 0,807 |
| | | | max | 2,000 | (39) | −0,992 | −0,013 | −1,814 | 2,068 |
| | | fz | min | 0,943 | (886) | −0,992 | −0,006 | −0,927 | 1,358 |
| | | | max | 0 | (16) | −0,595 | 0,007 | 0,235 | 0,639 |
| 15 | 1 | | | L=2,000 | | | | | |
| | | ex | min | 2,000 | (43) | **−0,590** | −0,010 | 0,586 | 0,831 |

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *fx* *[rad]* | *fy* *[rad]* | *fz* *[rad]* | *fR* *[rad]* | *Maßgebende Kombination* |
|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 1 | | | L=2,000 | | | | | | |
| | | ex | min | 2,000 | (38) | 0 | −0,00021 | −0,00001 | 0,00021 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (15) | 0 | 0,00067 | −0,00001 | 0,00067 | [EG1] {0,3*Wasserdr} |
| | | ey | min | 2,000 | (38) | 0 | 0,00040 | −0,00001 | 0,00040 | [EG1] |
| | | | max | 0 | (15) | 0 | 0,00003 | −0,00001 | 0,00003 | [EG1] {0,3*Erddr} |
| | | ez | min | 2,000 | (38) | 0 | 0,00084 | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | | max | 2,000 | (38) | 0 | −0,00021 | −0,00001 | 0,00021 | [EG1] {0,3*Erddr} |
| | | fx | min | 0 | (15) | **0** | 0,00067 | −0,00001 | 0,00067 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (15) | **0** | 0,00003 | −0,00001 | 0,00003 | [EG1] {0,3*Erddr} |
| | | fy | min | 1,863 | | 0 | **−0,00021** | −0,00001 | 0,00021 | [EG1] {0,3*Erddr} |
| | | | max | 1,727 | (938) | 0 | **0,00084** | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | fz | min | 0,977 | | 0 | 0,00083 | **−0,00001** | 0,00083 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (15) | 0 | 0,00003 | **−0,00001** | 0,00003 | [EG1] {0,3*Erddr} |
| 14 | 1 | | | L=2,000 | | | | | | |
| | | ex | min | 2,000 | (39) | 0,00003 | −0,00021 | −0,00001 | 0,00021 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (16) | 0 | 0,00068 | −0,00001 | 0,00068 | [EG1] {0,3*Wasserdr} |
| | | ey | min | 2,000 | (39) | 0,00001 | 0,00039 | −0,00001 | 0,00039 | [EG1] |
| | | | max | 0 | (16) | 0,00001 | 0,00002 | −0,00001 | 0,00002 | [EG1] {0,3*Erddr} |
| | | ez | min | 2,000 | (39) | 0 | 0,00084 | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | | max | 2,000 | (39) | 0,00003 | −0,00021 | −0,00001 | 0,00021 | [EG1] {0,3*Erddr} |
| | | fx | min | 0 | (16) | **0** | 0,00068 | −0,00001 | 0,00068 | [EG1] {0,3*Wasserdr} |
| | | | max | 2,000 | (39) | **0,00003** | −0,00021 | −0,00001 | 0,00021 | [EG1] {0,3*Erddr} |
| | | fy | min | 1,871 | | 0,00003 | **−0,00021** | −0,00001 | 0,00021 | [EG1] {0,3*Erddr} |
| | | | max | 2,000 | (39) | 0 | **0,00084** | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | fz | min | 0,943 | (886) | 0 | 0,00083 | **−0,00001** | 0,00083 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (16) | 0,00001 | 0,00002 | **−0,00001** | 0,00002 | [EG1] {0,3*Erddr} |
| 15 | 1 | | | L=2,000 | | | | | | |
| | | ex | min | 2,000 | (43) | 0 | −0,00022 | −0,00001 | 0,00022 | [EG1] {0,3*Erddr} |

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## Plattenbalkenverschiebungen [Linear, Maßgebend Min./Max.(SLS Quasi-ständig)]

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *ex* *[mm]* | *ey* *[mm]* | *ez* *[mm]* | *eR* *[mm]* |
|---|---|---|---|---|---|---|---|---|---|
| | | | max | 0 | (20) | **−0,986** | 0 | −0,190 | 1,004 |
| | | ey | min | 2,000 | (43) | −0,987 | **−0,013** | −1,810 | 2,062 |
| | | | max | 0 | (20) | −0,588 | **0,007** | 0,238 | 0,635 |
| | | ez | min | 2,000 | (43) | −0,987 | −0,013 | **−1,810** | 2,062 |
| | | | max | 2,000 | (43) | −0,590 | −0,010 | **0,586** | 0,831 |
| | | fx | min | 0 | (20) | −0,815 | 0 | 0 | 0,815 |
| | | | max | 0 | (20) | −0,588 | 0,007 | 0,238 | 0,635 |
| | | fy | min | 1,871 | | −0,590 | −0,009 | 0,558 | 0,812 |
| | | | max | 1,871 | | −0,987 | −0,012 | −1,702 | 1,967 |
| | | fz | min | 1,302 | (864) | −0,816 | −0,008 | −0,510 | 0,963 |
| | | | max | 0 | (20) | −0,588 | 0,007 | 0,238 | 0,635 |
| 16 | 1 | | | L=2,000 | | | | | |
| | | ex | min | 2,000 | (44) | **−0,588** | −0,010 | 0,588 | 0,831 |
| | | | max | 0 | (21) | **−0,984** | 0 | −0,191 | 1,003 |
| | | ey | min | 2,000 | (44) | −0,985 | **−0,013** | −1,808 | 2,059 |
| | | | max | 0 | (21) | −0,586 | **0,007** | 0,239 | 0,633 |
| | | ez | min | 2,000 | (44) | −0,985 | −0,013 | **−1,808** | 2,059 |
| | | | max | 2,000 | (44) | −0,588 | −0,010 | **0,588** | 0,831 |
| | | fx | min | 0 | (21) | −0,814 | 0 | 0 | 0,814 |
| | | | max | 2,000 | (44) | −0,588 | −0,010 | 0,588 | 0,831 |
| | | fy | min | 2,000 | (44) | −0,588 | −0,010 | 0,588 | 0,831 |
| | | | max | 1,863 | | −0,985 | −0,012 | −1,693 | 1,959 |
| | | fz | min | 2,000 | (44) | −0,815 | −0,013 | −0,784 | 1,131 |
| | | | max | 0 | (21) | −0,586 | 0,007 | 0,239 | 0,633 |
| 17 | 1 | | | L=2,000 | | | | | |
| | | ex | min | 2,000 | (45) | **−0,585** | −0,010 | 0,590 | 0,831 |
| | | | max | 0 | (22) | **−0,983** | 0 | −0,190 | 1,001 |
| | | ey | min | 2,000 | (45) | −0,984 | **−0,013** | −1,806 | 2,056 |
| | | | max | 0 | (22) | −0,584 | **0,007** | 0,240 | 0,632 |

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *fx* *[rad]* | *fy* *[rad]* | *fz* *[rad]* | *fR* *[rad]* | *Maßgebende Kombination* |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | max | 0 | (20) | 0 | 0,00067 | −0,00001 | 0,00067 | [EG1] {0,3*Wasserdr} |
| | | ey | min | 2,000 | (43) | 0 | 0,00084 | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (20) | 0 | 0,00002 | −0,00001 | 0,00002 | [EG1] {0,3*Erddr} |
| | | ez | min | 2,000 | (43) | 0 | 0,00084 | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | | max | 2,000 | (43) | 0 | −0,00022 | −0,00001 | 0,00022 | [EG1] {0,3*Erddr} |
| | | fx | min | 0 | (20) | **0** | 0,00039 | −0,00001 | 0,00039 | [EG1] |
| | | | max | 0 | (20) | **0** | 0,00002 | −0,00001 | 0,00002 | [EG1] {0,3*Erddr} |
| | | fy | min | 1,871 | | 0 | **−0,00022** | −0,00001 | 0,00022 | [EG1] {0,3*Erddr} |
| | | | max | 1,871 | | 0 | **0,00084** | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | fz | min | 1,302 | (864) | 0 | 0,00039 | **−0,00001** | 0,00039 | [EG1] |
| | | | max | 0 | (20) | 0 | 0,00002 | **−0,00001** | 0,00002 | [EG1] {0,3*Erddr} |
| 16 | 1 | | | L=2,000 | | | | | | |
| | | ex | min | 2,000 | (44) | 0,00001 | −0,00022 | −0,00001 | 0,00022 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (21) | 0 | 0,00067 | −0,00001 | 0,00067 | [EG1] {0,3*Wasserdr} |
| | | ey | min | 2,000 | (44) | 0,00001 | 0,00084 | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (21) | 0,00001 | 0,00001 | −0,00001 | 0,00001 | [EG1] {0,3*Erddr} |
| | | ez | min | 2,000 | (44) | 0,00001 | 0,00084 | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | | max | 2,000 | (44) | 0,00001 | −0,00022 | −0,00001 | 0,00022 | [EG1] {0,3*Erddr} |
| | | fx | min | 0 | (21) | **0** | 0,00039 | −0,00001 | 0,00039 | [EG1] |
| | | | max | 2,000 | (44) | **0,00001** | −0,00022 | −0,00001 | 0,00022 | [EG1] {0,3*Erddr} |
| | | fy | min | 2,000 | (44) | 0,00001 | **−0,00022** | −0,00001 | 0,00022 | [EG1] {0,3*Erddr} |
| | | | max | 1,863 | | 0,00001 | **0,00084** | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | fz | min | 2,000 | (44) | 0 | 0,00039 | **−0,00001** | 0,00039 | [EG1] |
| | | | max | 0 | (21) | 0,00001 | 0,00001 | **−0,00001** | 0,00001 | [EG1] {0,3*Erddr} |
| 17 | 1 | | | L=2,000 | | | | | | |
| | | ex | min | 2,000 | (45) | 0 | −0,00022 | −0,00001 | 0,00022 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (22) | 0 | 0,00067 | −0,00001 | 0,00067 | [EG1] {0,3*Wasserdr} |
| | | ey | min | 2,000 | (45) | 0 | 0,00084 | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (22) | 0 | 0,00002 | −0,00001 | 0,00002 | [EG1] {0,3*Erddr} |

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## Plattenbalkenverschiebungen [Linear, Maßgebend Min./Max.(SLS Quasi-ständig)]

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *ex* *[mm]* | *ey* *[mm]* | *ez* *[mm]* | *eR* *[mm]* |
|---|---|---|---|---|---|---|---|---|---|
| | | ez | min | 2,000 | (45) | −0,984 | −0,013 | **−1,806** | 2,056 |
| | | | max | 2,000 | (45) | −0,585 | −0,010 | **0,590** | 0,831 |
| | | fx | min | 0 | (22) | −0,812 | 0 | 0 | 0,812 |
| | | | max | 0 | (22) | −0,584 | 0,007 | 0,240 | 0,632 |
| | | fy | min | 1,871 | | −0,585 | −0,009 | 0,562 | 0,812 |
| | | | max | 1,743 | (972) | −0,984 | −0,012 | −1,590 | 1,870 |
| | | fz | min | 2,000 | (45) | −0,813 | −0,013 | −0,783 | 1,129 |
| | | | max | 0 | (22) | −0,584 | 0,007 | 0,240 | 0,632 |
| 18 | 1 | | | L=2,000 | | | | | |
| | | ex | min | 2,000 | (49) | **−0,579** | −0,010 | 0,588 | 0,825 |
| | | | max | 0 | (26) | **−0,978** | 0 | −0,190 | 0,996 |
| | | ey | min | 2,000 | (49) | −0,978 | **−0,013** | −1,798 | 2,047 |
| | | | max | 0 | (26) | −0,578 | **0,007** | 0,244 | 0,627 |
| | | ez | min | 2,000 | (49) | −0,978 | −0,013 | **−1,798** | 2,047 |
| | | | max | 2,000 | (49) | −0,579 | −0,010 | **0,588** | 0,825 |
| | | fx | min | 0,943 | (1016) | −0,808 | −0,006 | −0,368 | 0,888 |
| | | | max | 0 | (26) | −0,578 | 0,007 | 0,244 | 0,627 |
| | | fy | min | 2,000 | (49) | −0,579 | −0,010 | 0,588 | 0,825 |
| | | | max | 1,871 | | −0,978 | −0,013 | −1,690 | 1,953 |
| | | fz | min | 1,207 | | −0,579 | −0,003 | 0,418 | 0,714 |
| | | | max | 1,028 | | −0,978 | −0,007 | −0,989 | 1,391 |
| 19 | 1 | | | L=2,000 | | | | | |
| | | ex | min | 2,000 | (50) | **−0,577** | −0,010 | 0,584 | 0,821 |
| | | | max | 0 | (27) | **−0,976** | 0 | −0,190 | 0,994 |
| | | ey | min | 2,000 | (50) | −0,977 | **−0,014** | −1,794 | 2,042 |
| | | | max | 0 | (27) | −0,576 | **0,007** | 0,245 | 0,626 |
| | | ez | min | 2,000 | (50) | −0,977 | −0,014 | **−1,794** | 2,042 |
| | | | max | 2,000 | (50) | −0,577 | −0,010 | **0,584** | 0,821 |
| | | fx | min | 0 | (27) | −0,805 | 0 | 0 | 0,805 |

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *fx* *[rad]* | *fy* *[rad]* | *fz* *[rad]* | *fR* *[rad]* | *Maßgebende Kombination* |
|---|---|---|---|---|---|---|---|---|---|---|
| | | ez | min | 2,000 | (45) | 0 | 0,00084 | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | | max | 2,000 | (45) | 0 | −0,00022 | −0,00001 | 0,00022 | [EG1] {0,3*Erddr} |
| | | fx | min | 0 | (22) | **0** | 0,00039 | −0,00001 | 0,00039 | [EG1] |
| | | | max | 0 | (22) | **0** | 0,00002 | −0,00001 | 0,00002 | [EG1] {0,3*Erddr} |
| | | fy | min | 1,871 | | 0 | **−0,00022** | −0,00001 | 0,00022 | [EG1] {0,3*Erddr} |
| | | | max | 1,743 | (972) | 0 | **0,00084** | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| | | fz | min | 2,000 | (45) | 0 | 0,00039 | **−0,00001** | 0,00039 | [EG1] |
| | | | max | 0 | (22) | 0 | 0,00002 | **−0,00001** | 0,00002 | [EG1] {0,3*Erddr} |
| 18 | 1 | | | L=2,000 | | | | | | |
| | | ex | min | 2,000 | (49) | −0,00001 | −0,00022 | −0,00001 | 0,00022 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (26) | 0 | 0,00067 | −0,00001 | 0,00067 | [EG1] {0,3*Wasserdr} |
| | | ey | min | 2,000 | (49) | 0,00001 | 0,00083 | −0,00001 | 0,00083 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (26) | 0 | 0,00001 | −0,00001 | 0,00001 | [EG1] {0,3*Erddr} |
| | | ez | min | 2,000 | (49) | 0,00001 | 0,00083 | −0,00001 | 0,00083 | [EG1] {0,3*Wasserdr} |
| | | | max | 2,000 | (49) | −0,00001 | −0,00022 | −0,00001 | 0,00022 | [EG1] {0,3*Erddr} |
| | | fx | min | 0,943 | (1016) | **0** | 0,00039 | −0,00001 | 0,00039 | [EG1] |
| | | | max | 0 | (26) | **0** | 0,00001 | −0,00001 | 0,00001 | [EG1] {0,3*Erddr} |
| | | fy | min | 2,000 | (49) | −0,00001 | **−0,00022** | −0,00001 | 0,00022 | [EG1] {0,3*Erddr} |
| | | | max | 1,871 | | 0,00001 | **0,00083** | −0,00001 | 0,00083 | [EG1] {0,3*Wasserdr} |
| | | fz | min | 1,207 | | −0,00001 | −0,00021 | **−0,00001** | 0,00021 | [EG1] {0,3*Erddr} |
| | | | max | 1,028 | | 0,00001 | 0,00082 | **−0,00001** | 0,00082 | [EG1] {0,3*Wasserdr} |
| 19 | 1 | | | L=2,000 | | | | | | |
| | | ex | min | 2,000 | (50) | 0 | −0,00021 | −0,00001 | 0,00021 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (27) | 0 | 0,00067 | −0,00001 | 0,00067 | [EG1] {0,3*Wasserdr} |
| | | ey | min | 2,000 | (50) | 0 | 0,00083 | −0,00001 | 0,00083 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (27) | 0 | 0,00002 | −0,00001 | 0,00002 | [EG1] {0,3*Erddr} |
| | | ez | min | 2,000 | (50) | 0 | 0,00083 | −0,00001 | 0,00083 | [EG1] {0,3*Wasserdr} |
| | | | max | 2,000 | (50) | 0 | −0,00021 | −0,00001 | 0,00021 | [EG1] {0,3*Erddr} |
| | | fx | min | 0 | (27) | **0** | 0,00039 | −0,00001 | 0,00039 | [EG1] |

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AxisVM 11.0 R4a · Registrierter Benutzer: Not For Resale Version

**Projekt: Poolwand**
Bearbeiter: GSB / Derntl
Modell: **Poolwand_h.2.00.axs**



## Plattenbalkenverschiebungen [Linear, Maßgebend Min./Max.(SLS Quasi-ständig)]

| | *Pr.* | *K* | *min.*<br>*max.* | *Abst.*<br>*[m]* | *Knoten* | *ex*<br>*[mm]* | *ey*<br>*[mm]* | *ez*<br>*[mm]* | *eR*<br>*[mm]* |
|---|---|---|---|---|---|---|---|---|---|
| | | | max | 0 | (27) | −0,576 | 0,007 | 0,245 | 0,626 |
| | | fy | min | 2,000 | (50) | −0,577 | −0,010 | 0,584 | 0,821 |
| | | | max | 2,000 | (50) | −0,977 | −0,014 | −1,794 | 2,042 |
| | | fz | min | 0 | (27) | −0,805 | 0 | 0 | 0,805 |
| | | | max | 0,073 | (1021) | −0,576 | 0,006 | 0,246 | 0,626 |
| 20 | 1 | | | L=2,000 | | | | | |
| | | ex | min | 2,000 | (51) | **−0,575** | −0,010 | 0,577 | 0,815 |
| | | | max | 0 | (28) | **−0,974** | 0,001 | −0,190 | 0,992 |
| | | ey | min | 2,000 | (51) | −0,975 | **−0,014** | −1,788 | 2,037 |
| | | | max | 0 | (28) | −0,574 | **0,007** | 0,246 | 0,624 |
| | | ez | min | 2,000 | (51) | −0,975 | −0,014 | **−1,788** | 2,037 |
| | | | max | 2,000 | (51) | −0,575 | −0,010 | **0,577** | 0,815 |
| | | fx | min | 0 | (28) | −0,574 | 0,007 | 0,246 | 0,624 |
| | | | max | 0,141 | (821) | −0,974 | −0,001 | −0,289 | 1,016 |
| | | fy | min | 2,000 | (51) | −0,575 | −0,010 | 0,577 | 0,815 |
| | | | max | 2,000 | (51) | −0,975 | −0,014 | −1,788 | 2,037 |
| | | fz | min | 1,113 | (829) | −0,575 | −0,003 | 0,391 | 0,695 |
| | | | max | 0,867 | | −0,974 | −0,006 | −0,851 | 1,294 |
| Ext. | | | | | | | | | |
| 1 | 2 | ex | min | 0 | (7) | **−1,002** | −0,001 | −0,189 | 1,019 |
| 9 | 1 | | min | 0 | (8) | **−1,001** | −0,001 | −0,190 | 1,019 |
| 8 | 2 | | max | 2,000 | (52) | **−0,573** | −0,010 | 0,571 | 0,809 |
| 19 | 1 | ey | min | 2,000 | (50) | −0,977 | **−0,014** | −1,794 | 2,042 |
| 20 | 1 | | min | 2,000 | (51) | −0,975 | **−0,014** | −1,788 | 2,037 |
| 7 | 2 | | max | 0 | (25) | −0,580 | **0,007** | 0,243 | 0,629 |
| 18 | 1 | | max | 0 | (26) | −0,578 | **0,007** | 0,244 | 0,627 |
| 19 | 1 | | max | 0 | (27) | −0,576 | **0,007** | 0,245 | 0,626 |
| 20 | 1 | | max | 0 | (28) | −0,574 | **0,007** | 0,246 | 0,624 |
| 2 | 1 | ez | min | 2,000 | (34) | −0,998 | −0,012 | **−1,814** | 2,071 |
| 3 | 2 | | min | 2,000 | (36) | −0,996 | −0,013 | **−1,816** | 2,071 |

| | *Pr.* | *K* | *min.*<br>*max.* | *Abst.*<br>*[m]* | *Knoten* | *fx*<br>*[rad]* | *fy*<br>*[rad]* | *fz*<br>*[rad]* | *fR*<br>*[rad]* | *Maßgebende Kombination* |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | max | 0 | (27) | **0** | 0,00002 | −0,00001 | 0,00002 | [EG1] {0,3*Erddr} |
| | | fy | min | 2,000 | (50) | 0 | **−0,00021** | −0,00001 | 0,00021 | [EG1] {0,3*Erddr} |
| | | | max | 2,000 | (50) | 0 | **0,00083** | −0,00001 | 0,00083 | [EG1] {0,3*Wasserdr} |
| | | fz | min | 0 | (27) | 0 | 0,00039 | **−0,00001** | 0,00039 | [EG1] |
| | | | max | 0,073 | (1021) | 0 | −0,00002 | **−0,00001** | 0,00002 | [EG1] {0,3*Erddr} |
| 20 | 1 | | | L=2,000 | | | | | | |
| | | ex | min | 2,000 | (51) | −0,00003 | −0,00021 | −0,00001 | 0,00021 | [EG1] {0,3*Erddr} |
| | | | max | 0 | (28) | 0 | 0,00067 | −0,00001 | 0,00067 | [EG1] {0,3*Wasserdr} |
| | | ey | min | 2,000 | (51) | 0,00002 | 0,00083 | −0,00001 | 0,00083 | [EG1] {0,3*Wasserdr} |
| | | | max | 0 | (28) | 0 | 0,00002 | −0,00001 | 0,00002 | [EG1] {0,3*Erddr} |
| | | ez | min | 2,000 | (51) | 0,00002 | 0,00083 | −0,00001 | 0,00083 | [EG1] {0,3*Wasserdr} |
| | | | max | 2,000 | (51) | −0,00003 | −0,00021 | −0,00001 | 0,00021 | [EG1] {0,3*Erddr} |
| | | fx | min | 0 | (28) | **0** | 0,00002 | −0,00001 | 0,00002 | [EG1] {0,3*Erddr} |
| | | | max | 0,141 | (821) | **0,00001** | 0,00071 | −0,00001 | 0,00071 | [EG1] {0,3*Wasserdr} |
| | | fy | min | 2,000 | (51) | −0,00003 | **−0,00021** | −0,00001 | 0,00021 | [EG1] {0,3*Erddr} |
| | | | max | 2,000 | (51) | 0,00002 | **0,00083** | −0,00001 | 0,00083 | [EG1] {0,3*Wasserdr} |
| | | fz | min | 1,113 | (829) | −0,00002 | −0,00020 | **−0,00001** | 0,00020 | [EG1] {0,3*Erddr} |
| | | | max | 0,867 | | 0,00002 | 0,00081 | **−0,00001** | 0,00081 | [EG1] {0,3*Wasserdr} |
| Ext. | | | | | | | | | | |
| 1 | 2 | ex | min | 0 | (7) | −0,00001 | 0,00068 | 0 | 0,00068 | [EG1] {0,3*Wasserdr} |
| 9 | 1 | | min | 0 | (8) | 0 | 0,00068 | 0 | 0,00068 | [EG1] {0,3*Wasserdr} |
| 8 | 2 | | max | 2,000 | (52) | −0,00003 | −0,00021 | −0,00001 | 0,00021 | [EG1] {0,3*Erddr} |
| 19 | 1 | ey | min | 2,000 | (50) | 0 | 0,00083 | −0,00001 | 0,00083 | [EG1] {0,3*Wasserdr} |
| 20 | 1 | | min | 2,000 | (51) | 0,00002 | 0,00083 | −0,00001 | 0,00083 | [EG1] {0,3*Wasserdr} |
| 7 | 2 | | max | 0 | (25) | 0 | 0,00002 | −0,00001 | 0,00002 | [EG1] {0,3*Erddr} |
| 18 | 1 | | max | 0 | (26) | 0 | 0,00001 | −0,00001 | 0,00001 | [EG1] {0,3*Erddr} |
| 19 | 1 | | max | 0 | (27) | 0 | 0,00002 | −0,00001 | 0,00002 | [EG1] {0,3*Erddr} |
| 20 | 1 | | max | 0 | (28) | 0 | 0,00002 | −0,00001 | 0,00002 | [EG1] {0,3*Erddr} |
| 2 | 1 | ez | min | 2,000 | (34) | −0,00001 | 0,00084 | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| 3 | 2 | | min | 2,000 | (36) | 0 | 0,00084 | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |

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## Plattenbalkenverschiebungen [Linear, Maßgebend Min./Max.(SLS Quasi-ständig)]

| | *Pr.* | *K* | *min.*<br>*max.* | *Abst.*<br>*[m]* | *Knoten* | *ex*<br>*[mm]* | *ey*<br>*[mm]* | *ez*<br>*[mm]* | *eR*<br>*[mm]* |
|---|---|---|---|---|---|---|---|---|---|
| 4 | 2 | | min | 2,000 | (40) | −0,990 | −0,013 | **−1,814** | 2,067 |
| 11 | 1 | | min | 2,000 | (33) | −1,000 | −0,012 | **−1,813** | 2,070 |
| 12 | 1 | | min | 2,000 | (37) | −0,995 | −0,013 | **−1,815** | 2,070 |
| 13 | 1 | | min | 2,000 | (38) | −0,993 | −0,013 | **−1,815** | 2,069 |
| 14 | 1 | | min | 2,000 | (39) | −0,992 | −0,013 | **−1,814** | 2,068 |
| 6 | 1 | | max | 2,000 | (46) | −0,583 | −0,010 | **0,591** | 0,830 |
| 7 | 2 | | max | 2,000 | (48) | −0,581 | −0,010 | **0,591** | 0,829 |
| 8 | 2 | eR | min | 0 | (29) | −0,572 | 0,007 | 0,247 | **0,623** |
| 2 | 1 | | max | 2,000 | (34) | −0,998 | −0,012 | −1,814 | **2,071** |
| 3 | 2 | | max | 2,000 | (36) | −0,996 | −0,013 | −1,816 | **2,071** |
| 11 | 1 | | max | 2,000 | (33) | −1,000 | −0,012 | −1,813 | **2,070** |
| 12 | 1 | | max | 2,000 | (37) | −0,995 | −0,013 | −1,815 | **2,070** |
| 13 | 1 | | max | 2,000 | (38) | −0,993 | −0,013 | −1,815 | **2,069** |
| 1 | 2 | fx | min | 2,000 | (30) | −1,004 | −0,012 | −1,801 | 2,062 |
| 10 | 1 | | max | 2,000 | (32) | −0,609 | −0,011 | 0,500 | 0,788 |
| 17 | 1 | fy | min | 1,871 | | −0,585 | −0,009 | 0,562 | 0,812 |
| 3 | 2 | | max | 1,698 | | −0,996 | −0,011 | −1,562 | 1,853 |
| 4 | 2 | | max | 1,698 | | −0,990 | −0,011 | −1,560 | 1,848 |
| 12 | 1 | | max | 2,000 | (37) | −0,995 | −0,013 | −1,815 | 2,070 |
| 13 | 1 | | max | 1,727 | (938) | −0,993 | −0,011 | −1,585 | 1,871 |
| 14 | 1 | | max | 2,000 | (39) | −0,992 | −0,013 | −1,814 | 2,068 |
| 10 | 1 | fz | min | 0,977 | | −0,609 | −0,002 | 0,318 | 0,687 |
| 11 | 1 | | min | 0 | (10) | −0,606 | 0,007 | 0,228 | 0,647 |
| 2 | 1 | | max | 1,156 | (874) | −0,998 | −0,007 | −1,105 | 1,489 |
| 11 | 1 | | max | 1,113 | (815) | −0,999 | −0,007 | −1,069 | 1,463 |
| 6 | 1 | fR | min | 0 | (23) | −0,582 | 0,007 | 0,242 | 0,630 |
| 3 | 2 | | max | 1,698 | | −0,996 | −0,011 | −1,562 | 1,853 |
| 4 | 2 | | max | 1,698 | | −0,990 | −0,011 | −1,560 | 1,848 |
| 12 | 1 | | max | 2,000 | (37) | −0,995 | −0,013 | −1,815 | 2,070 |
| 13 | 1 | | max | 1,727 | (938) | −0,993 | −0,011 | −1,585 | 1,871 |
| 14 | 1 | | max | 2,000 | (39) | −0,992 | −0,013 | −1,814 | 2,068 |

| | *Pr.* | *K* | *min.*<br>*max.* | *Abst.*<br>*[m]* | *Knoten* | *fx*<br>*[rad]* | *fy*<br>*[rad]* | *fz*<br>*[rad]* | *fR*<br>*[rad]* | *Maßgebende Kombination* |
|---|---|---|---|---|---|---|---|---|---|---|
| 4 | 2 | | min | 2,000 | (40) | 0 | 0,00084 | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| 11 | 1 | | min | 2,000 | (33) | 0 | 0,00084 | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| 12 | 1 | | min | 2,000 | (37) | 0 | 0,00084 | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| 13 | 1 | | min | 2,000 | (38) | 0 | 0,00084 | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| 14 | 1 | | min | 2,000 | (39) | 0 | 0,00084 | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| 6 | 1 | | max | 2,000 | (46) | 0 | −0,00022 | −0,00001 | 0,00022 | [EG1] {0,3*Erddr} |
| 7 | 2 | | max | 2,000 | (48) | 0 | −0,00022 | −0,00001 | 0,00022 | [EG1] {0,3*Erddr} |
| 8 | 2 | eR | min | 0 | (29) | −0,00001 | 0,00003 | −0,00001 | 0,00003 | [EG1] {0,3*Erddr} |
| 2 | 1 | | max | 2,000 | (34) | −0,00001 | 0,00084 | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| 3 | 2 | | max | 2,000 | (36) | 0 | 0,00084 | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| 11 | 1 | | max | 2,000 | (33) | 0 | 0,00084 | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| 12 | 1 | | max | 2,000 | (37) | 0 | 0,00084 | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| 13 | 1 | | max | 2,000 | (38) | 0 | 0,00084 | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| 1 | 2 | fx | min | 2,000 | (30) | **−0,00003** | 0,00084 | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| 10 | 1 | | max | 2,000 | (32) | **0,00007** | −0,00018 | −0,00001 | 0,00020 | [EG1] {0,3*Erddr} |
| 17 | 1 | fy | min | 1,871 | | 0 | **−0,00022** | −0,00001 | 0,00022 | [EG1] {0,3*Erddr} |
| 3 | 2 | | max | 1,698 | | 0 | **0,00084** | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| 4 | 2 | | max | 1,698 | | 0 | **0,00084** | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| 12 | 1 | | max | 2,000 | (37) | 0 | **0,00084** | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| 13 | 1 | | max | 1,727 | (938) | 0 | **0,00084** | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| 14 | 1 | | max | 2,000 | (39) | 0 | **0,00084** | −0,00001 | 0,00084 | [EG1] {0,3*Wasserdr} |
| 10 | 1 | fz | min | 0,977 | | 0,00005 | −0,00016 | **−0,00001** | 0,00017 | [EG1] {0,3*Erddr} |
| 11 | 1 | | min | 0 | (10) | 0,00001 | 0,00004 | **−0,00001** | 0,00004 | [EG1] {0,3*Erddr} |
| 2 | 1 | | max | 1,156 | (874) | 0 | 0,00084 | **−0,00001** | 0,00084 | [EG1] {0,3*Wasserdr} |
| 11 | 1 | | max | 1,113 | (815) | 0 | 0,00083 | **−0,00001** | 0,00083 | [EG1] {0,3*Wasserdr} |
| 6 | 1 | fR | min | 0 | (23) | 0,00001 | 0,00001 | −0,00001 | **0,00001** | [EG1] {0,3*Erddr} |
| 3 | 2 | | max | 1,698 | | 0 | 0,00084 | −0,00001 | **0,00084** | [EG1] {0,3*Wasserdr} |
| 4 | 2 | | max | 1,698 | | 0 | 0,00084 | −0,00001 | **0,00084** | [EG1] {0,3*Wasserdr} |
| 12 | 1 | | max | 2,000 | (37) | 0 | 0,00084 | −0,00001 | **0,00084** | [EG1] {0,3*Wasserdr} |
| 13 | 1 | | max | 1,727 | (938) | 0 | 0,00084 | −0,00001 | **0,00084** | [EG1] {0,3*Wasserdr} |
| 14 | 1 | | max | 2,000 | (39) | 0 | 0,00084 | −0,00001 | **0,00084** | [EG1] {0,3*Wasserdr} |

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## Plattenbalkenkräfte [Linear, Maßgebend Min./Max.(Alle ULS )]

| | Pr. | K | min. max. | Abst. [m] | Knoten | Nx [kN] | Vy [kN] | Vz [kN] |
|---|---|---|---|---|---|---|---|---|
| 1 | 2 | | | L=2,000 | | | | |
| | | Nx | min | 0 | (7) | **−6,497** | −1,845 | −5,541 |
| | | | max | 0 | (7) | **2,799** | 1,221 | 4,883 |
| | | Vy | min | 0 | (7) | −6,497 | **−1,845** | −5,541 |
| | | | max | 0 | (7) | 2,799 | **1,221** | 4,883 |
| | | Vz | min | 0,065 | (988) | −5,467 | −1,364 | **−6,472** |
| | | | max | 0,065 | (988) | 1,894 | 0,955 | **6,680** |
| | | Tx | min | 0,138 | (989) | −5,021 | −0,872 | −4,530 |
| | | | max | 0,408 | (992) | 0,678 | 0,087 | 2,388 |
| | | My | min | 0 | (7) | 2,114 | 1,094 | 4,886 |
| | | | max | 0 | (7) | −5,813 | −1,717 | −5,544 |
| | | MyBw | min | 0 | (7) | 2,114 | 1,094 | 4,886 |
| | | | max | 0 | (7) | −5,813 | −1,717 | −5,544 |
| | | Mz | min | 0 | (7) | −6,497 | −1,845 | −5,541 |
| | | | max | 0 | (7) | 2,799 | 1,221 | 4,883 |
| 2 | 1 | | | L=2,000 | | | | |
| | | Nx | min | 0,235 | (871) | **−1,567** | −0,029 | 4,483 |
| | | | max | 2,000 | (34) | **0,037** | 0,024 | 0,001 |
| | | Vy | min | 0,096 | (870) | −1,488 | **−0,065** | 12,030 |
| | | | max | 0,096 | (870) | −0,722 | **0,030** | −9,311 |
| | | Vz | min | 0 | (11) | −0,846 | 0,010 | **−16,369** |
| | | | max | 0 | (11) | −0,957 | −0,047 | **21,307** |
| | | Tx | min | 0,730 | (873) | −0,441 | −0,005 | −1,565 |
| | | | max | 0,730 | (873) | −1,238 | 0,005 | 2,015 |
| | | My | min | 0 | (11) | −0,957 | −0,047 | 21,307 |
| | | | max | 0 | (11) | −0,846 | 0,010 | −16,369 |
| | | MyBw | min | 0 | (11) | −0,957 | −0,047 | 21,307 |
| | | | max | 0 | (11) | −0,846 | 0,010 | −16,369 |
| | | Mz | min | 0 | (11) | −1,217 | −0,049 | 21,305 |
| | | | max | 0 | (11) | −0,586 | 0,012 | −16,367 |

| | Pr. | K | min. max. | Abst. [m] | Knoten | Tx [kNm] | My [kNm] | MyBw [kNm] | Mz [kNm] | Maßgebende Kombination |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | | | L=2,000 | | | | | | |
| | | Nx | min | 0 | (7) | 0,009 | 3,795 | 3,795 | −0,317 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (7) | −0,019 | −4,571 | −4,571 | 0,237 | [EG1] {1,5*Erddr} |
| | | Vy | min | 0 | (7) | 0,009 | 3,795 | 3,795 | −0,317 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (7) | −0,019 | −4,571 | −4,571 | 0,237 | [EG1] {1,5*Erddr} |
| | | Vz | min | 0,065 | (988) | −0,059 | 3,005 | 3,005 | −0,198 | [EG1] {1,5*Wasserdr} |
| | | | max | 0,065 | (988) | 0,113 | −3,703 | −3,703 | 0,151 | [1,35*EG1] {1,5*Erddr} |
| | | Tx | min | 0,138 | (989) | **−0,124** | 2,516 | 2,516 | −0,116 | [EG1] {1,5*Wasserdr} |
| | | | max | 0,408 | (992) | **0,229** | −2,125 | −2,125 | 0,012 | [1,35*EG1] {1,5*Erddr} |
| | | My | min | 0 | (7) | −0,019 | **−4,583** | −4,583 | 0,218 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 0 | (7) | 0,009 | **3,806** | 3,806 | −0,299 | [EG1] {1,5*Wasserdr} |
| | | MyBw | min | 0 | (7) | −0,019 | −4,583 | **−4,583** | 0,218 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 0 | (7) | 0,009 | 3,806 | **3,806** | −0,299 | [EG1] {1,5*Wasserdr} |
| | | Mz | min | 0 | (7) | 0,009 | 3,795 | 3,795 | **−0,317** | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (7) | −0,019 | −4,571 | −4,571 | **0,237** | [EG1] {1,5*Erddr} |
| 2 | 1 | | | L=2,000 | | | | | | |
| | | Nx | min | 0,235 | (871) | 0,160 | −2,827 | −2,827 | −0,001 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 2,000 | (34) | 0,001 | 0 | 0 | 0 | [EG1] {1,5*Wasserdr} |
| | | Vy | min | 0,096 | (870) | 0,105 | −3,961 | −3,961 | −0,008 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 0,096 | (870) | −0,033 | 2,991 | 2,991 | 0,005 | [EG1] {1,5*Wasserdr} |
| | | Vz | min | 0 | (11) | 0,006 | 5,268 | 5,268 | 0,007 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (11) | −0,021 | −6,931 | −6,931 | −0,014 | [EG1] {1,5*Erddr} |
| | | Tx | min | 0,730 | (873) | **−0,057** | 0,778 | 0,778 | −0,002 | [EG1] {1,5*Wasserdr} |
| | | | max | 0,730 | (873) | **0,216** | −1,125 | −1,125 | 0,002 | [1,35*EG1] {1,5*Erddr} |
| | | My | min | 0 | (11) | −0,021 | **−6,931** | −6,931 | −0,014 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (11) | 0,006 | **5,268** | 5,268 | 0,007 | [1,35*EG1] {1,5*Wasserdr} |
| | | MyBw | min | 0 | (11) | −0,021 | −6,931 | **−6,931** | −0,014 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (11) | 0,006 | 5,268 | **5,268** | 0,007 | [1,35*EG1] {1,5*Wasserdr} |
| | | Mz | min | 0 | (11) | −0,021 | −6,930 | −6,930 | **−0,014** | [1,35*EG1] {1,5*Erddr} |
| | | | max | 0 | (11) | 0,006 | 5,268 | 5,268 | **0,007** | [EG1] {1,5*Wasserdr} |

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## Plattenbalkenkräfte [Linear, Maßgebend Min./Max.(Alle ULS )]

| | *Pr.* | *K* | *min. max.* | *Abst. [m]* | *Knoten* | *Nx [kN]* | *Vy [kN]* | *Vz [kN]* |
|---|---|---|---|---|---|---|---|---|
| 3 | 2 | | | L=2,000 | | | | |
| | | Nx | min | 0,235 | (941) | **−1,305** | −0,007 | 5,806 |
| | | | max | 2,000 | (36) | **0,021** | 0,012 | 0,024 |
| | | Vy | min | 0 | (13) | −1,118 | **−0,033** | 21,209 |
| | | | max | 2,000 | (36) | 0,021 | **0,012** | 0,024 |
| | | Vz | min | 0 | (13) | −1,066 | −0,009 | **−16,148** |
| | | | max | 0 | (13) | −0,837 | −0,029 | **21,210** |
| | | Tx | min | 0,437 | (942) | −0,938 | 0,003 | −2,917 |
| | | | max | 0 | (13) | −1,118 | −0,033 | 21,209 |
| | | My | min | 0 | (13) | −0,837 | −0,029 | 21,210 |
| | | | max | 0 | (13) | −1,066 | −0,009 | −16,148 |
| | | MyBw | min | 0 | (13) | −0,837 | −0,029 | 21,210 |
| | | | max | 0 | (13) | −1,066 | −0,009 | −16,148 |
| | | Mz | min | 0 | (13) | −1,118 | −0,033 | 21,209 |
| | | | max | 1,830 | (946) | −0,053 | 0,004 | 0,007 |
| 4 | 2 | | | L=2,000 | | | | |
| | | Nx | min | 0,096 | (891) | **−1,246** | 0,021 | −11,008 |
| | | | max | 2,000 | (40) | **0,027** | 0,001 | 0,023 |
| | | Vy | min | 0 | (17) | −1,025 | **−0,053** | 21,469 |
| | | | max | 0 | (17) | −0,859 | **0,025** | −16,220 |
| | | Vz | min | 0 | (17) | −1,141 | 0,023 | **−16,224** |
| | | | max | 0 | (17) | −0,743 | −0,051 | **21,473** |
| | | Tx | min | 2,000 | (40) | −0,031 | 0,003 | −0,037 |
| | | | max | 0 | (17) | −1,025 | −0,053 | 21,469 |
| | | My | min | 0 | (17) | −0,743 | −0,051 | 21,473 |
| | | | max | 0 | (17) | −1,141 | 0,023 | −16,224 |
| | | MyBw | min | 0 | (17) | −0,743 | −0,051 | 21,473 |
| | | | max | 0 | (17) | −1,141 | 0,023 | −16,224 |
| | | Mz | min | 0 | (17) | −1,025 | −0,053 | 21,469 |

| | *Pr.* | *K* | *min. max.* | *Abst. [m]* | *Knoten* | *Tx [kNm]* | *My [kNm]* | *MyBw [kNm]* | *Mz [kNm]* | *Maßgebende Kombination* |
|---|---|---|---|---|---|---|---|---|---|---|
| 3 | 2 | | | L=2,000 | | | | | | |
| | | Nx | min | 0,235 | (941) | 0 | −2,937 | −2,937 | −0,001 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 2,000 | (36) | 0 | 0 | 0 | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vy | min | 0 | (13) | 0 | −6,012 | −6,012 | −0,004 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 2,000 | (36) | 0 | 0 | 0 | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vz | min | 0 | (13) | 0 | 4,531 | 4,531 | −0,002 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (13) | 0 | −6,013 | −6,013 | −0,004 | [EG1] {1,5*Erddr} |
| | | Tx | min | 0,437 | (942) | **0** | 1,436 | 1,436 | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (13) | **0** | −6,012 | −6,012 | −0,004 | [1,35*EG1] {1,5*Erddr} |
| | | My | min | 0 | (13) | 0 | **−6,013** | −6,013 | −0,004 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (13) | 0 | **4,531** | 4,531 | −0,002 | [1,35*EG1] {1,5*Wasserdr} |
| | | MyBw | min | 0 | (13) | 0 | −6,013 | **−6,013** | −0,004 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (13) | 0 | 4,531 | **4,531** | −0,002 | [1,35*EG1] {1,5*Wasserdr} |
| | | Mz | min | 0 | (13) | 0 | −6,012 | −6,012 | **−0,004** | [1,35*EG1] {1,5*Erddr} |
| | | | max | 1,830 | (946) | 0 | −0,005 | −0,005 | **0,002** | [1,35*EG1] {1,5*Wasserdr} |
| 4 | 2 | | | L=2,000 | | | | | | |
| | | Nx | min | 0,096 | (891) | 0 | 3,209 | 3,209 | 0,003 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 2,000 | (40) | 0 | 0 | 0 | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vy | min | 0 | (17) | 0 | −6,110 | −6,110 | −0,010 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 0 | (17) | 0 | 4,556 | 4,556 | 0,005 | [EG1] {1,5*Wasserdr} |
| | | Vz | min | 0 | (17) | 0 | 4,558 | 4,558 | 0,005 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (17) | 0 | −6,112 | −6,112 | −0,010 | [EG1] {1,5*Erddr} |
| | | Tx | min | 2,000 | (40) | **0** | 0,001 | 0,001 | 0 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 0 | (17) | **0** | −6,110 | −6,110 | −0,010 | [1,35*EG1] {1,5*Erddr} |
| | | My | min | 0 | (17) | 0 | **−6,112** | −6,112 | −0,010 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (17) | 0 | **4,558** | 4,558 | 0,005 | [1,35*EG1] {1,5*Wasserdr} |
| | | MyBw | min | 0 | (17) | 0 | −6,112 | **−6,112** | −0,010 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (17) | 0 | 4,558 | **4,558** | 0,005 | [1,35*EG1] {1,5*Wasserdr} |
| | | Mz | min | 0 | (17) | 0 | −6,110 | −6,110 | **−0,010** | [1,35*EG1] {1,5*Erddr} |

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## Plattenbalkenkräfte [Linear, Maßgebend Min./Max.(Alle ULS )]

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *Nx* *[kN]* | *Vy* *[kN]* | *Vz* *[kN]* |
|---|---|---|---|---|---|---|---|---|
| | | | max | 0 | (17) | −0,859 | 0,025 | −16,220 |
| 5 | 1 | | | L=2,000 | | | | |
| | | Nx | min | 0,235 | (848) | **−1,306** | −0,003 | 4,882 |
| | | | max | 2,000 | (42) | **0,055** | 0,004 | −0,001 |
| | | Vy | min | 0 | (19) | −1,055 | **−0,057** | 21,852 |
| | | | max | 0 | (19) | −0,735 | **0,026** | −16,484 |
| | | Vz | min | 0 | (19) | −1,000 | 0,023 | **−16,489** |
| | | | max | 0 | (19) | −0,791 | −0,054 | **21,858** |
| | | Tx | min | 0 | (19) | −1,000 | 0,023 | −16,489 |
| | | | max | 1,566 | (852) | −0,418 | −0,001 | 0,296 |
| | | My | min | 0 | (19) | −0,791 | −0,054 | 21,858 |
| | | | max | 0 | (19) | −1,000 | 0,023 | −16,489 |
| | | MyBw | min | 0 | (19) | −0,791 | −0,054 | 21,858 |
| | | | max | 0 | (19) | −1,000 | 0,023 | −16,489 |
| | | Mz | min | 0 | (19) | −1,055 | −0,057 | 21,852 |
| | | | max | 1,830 | (853) | −0,224 | 0 | 0,064 |
| 6 | 1 | | | L=2,000 | | | | |
| | | Nx | min | 0,235 | (900) | **−1,411** | −0,009 | 4,590 |
| | | | max | 2,000 | (46) | **0,048** | −0,020 | −0,010 |
| | | Vy | min | 0 | (23) | −0,858 | **−0,063** | 21,840 |
| | | | max | 0 | (23) | −0,898 | **0,057** | −16,456 |
| | | Vz | min | 0 | (23) | −0,898 | 0,057 | **−16,456** |
| | | | max | 0 | (23) | −0,858 | −0,063 | **21,840** |
| | | Tx | min | 1,566 | (904) | −0,349 | −0,005 | 0,358 |
| | | | max | 1,566 | (904) | −0,219 | 0,004 | −0,181 |
| | | My | min | 0 | (23) | −0,858 | −0,063 | 21,840 |
| | | | max | 0 | (23) | −0,898 | 0,057 | −16,456 |
| | | MyBw | min | 0 | (23) | −0,858 | −0,063 | 21,840 |
| | | | max | 0 | (23) | −0,898 | 0,057 | −16,456 |

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *Tx* *[kNm]* | *My* *[kNm]* | *MyBw* *[kNm]* | *Mz* *[kNm]* | *Maßgebende Kombination* |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | max | 0 | (17) | 0 | 4,556 | 4,556 | **0,005** | [EG1] {1,5*Wasserdr} |
| 5 | 1 | | | L=2,000 | | | | | | |
| | | Nx | min | 0,235 | (848) | 0,008 | −2,937 | −2,937 | −0,001 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 2,000 | (42) | 0 | 0 | 0 | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vy | min | 0 | (19) | 0,002 | −7,145 | −7,145 | −0,005 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 0 | (19) | −0,005 | 5,323 | 5,323 | −0,001 | [EG1] {1,5*Wasserdr} |
| | | Vz | min | 0 | (19) | −0,005 | 5,325 | 5,325 | −0,001 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (19) | 0,002 | −7,147 | −7,147 | −0,004 | [EG1] {1,5*Erddr} |
| | | Tx | min | 0 | (19) | **−0,005** | 5,325 | 5,325 | −0,001 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 1,566 | (852) | **0,041** | −0,044 | −0,044 | 0 | [1,35*EG1] {1,5*Erddr} |
| | | My | min | 0 | (19) | 0,002 | **−7,147** | −7,147 | −0,004 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (19) | −0,005 | **5,325** | 5,325 | −0,001 | [1,35*EG1] {1,5*Wasserdr} |
| | | MyBw | min | 0 | (19) | 0,002 | −7,147 | **−7,147** | −0,004 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (19) | −0,005 | 5,325 | **5,325** | −0,001 | [1,35*EG1] {1,5*Wasserdr} |
| | | Mz | min | 0 | (19) | 0,002 | −7,145 | −7,145 | **−0,005** | [1,35*EG1] {1,5*Erddr} |
| | | | max | 1,830 | (853) | 0,033 | −0,002 | −0,002 | **0** | [1,35*EG1] {1,5*Erddr} |
| 6 | 1 | | | L=2,000 | | | | | | |
| | | Nx | min | 0,235 | (900) | 0,003 | −2,925 | −2,925 | −0,001 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 2,000 | (46) | −0,001 | 0 | 0 | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vy | min | 0 | (23) | −0,003 | −7,128 | −7,128 | −0,010 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (23) | 0 | 5,302 | 5,302 | 0,008 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vz | min | 0 | (23) | 0 | 5,302 | 5,302 | 0,008 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (23) | −0,003 | −7,128 | −7,128 | −0,010 | [EG1] {1,5*Erddr} |
| | | Tx | min | 1,566 | (904) | **−0,029** | −0,046 | −0,046 | 0,002 | [EG1] {1,5*Erddr} |
| | | | max | 1,566 | (904) | **0,040** | 0,017 | 0,017 | −0,002 | [1,35*EG1] {1,5*Wasserdr} |
| | | My | min | 0 | (23) | −0,003 | **−7,128** | −7,128 | −0,010 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (23) | 0 | **5,302** | 5,302 | 0,008 | [1,35*EG1] {1,5*Wasserdr} |
| | | MyBw | min | 0 | (23) | −0,003 | −7,128 | **−7,128** | −0,010 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (23) | 0 | 5,302 | **5,302** | 0,008 | [1,35*EG1] {1,5*Wasserdr} |

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## Plattenbalkenkräfte [Linear, Maßgebend Min./Max.(Alle ULS )]

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *Nx* *[kN]* | *Vy* *[kN]* | *Vz* *[kN]* |
|---|---|---|---|---|---|---|---|---|
| | | Mz | min | 0 | (23) | −0,858 | −0,063 | 21,840 |
| | | | max | 0 | (23) | −0,898 | 0,057 | −16,456 |
| 7 | 2 | | | L=2,000 | | | | |
| | | Nx | min | 0,235 | (907) | **−1,372** | 0,011 | 5,825 |
| | | | max | 2,000 | (48) | **0,020** | −0,018 | 0,012 |
| | | Vy | min | 0 | (25) | −0,882 | **−0,034** | 21,388 |
| | | | max | 0 | (25) | −0,953 | **0,032** | −16,136 |
| | | Vz | min | 0 | (25) | −0,953 | 0,032 | **−16,136** |
| | | | max | 0 | (25) | −0,882 | −0,034 | **21,388** |
| | | Tx | min | 0 | (25) | −0,882 | −0,034 | 21,388 |
| | | | max | 0 | (25) | −0,953 | 0,032 | −16,136 |
| | | My | min | 0 | (25) | −0,882 | −0,034 | 21,388 |
| | | | max | 0 | (25) | −0,953 | 0,032 | −16,136 |
| | | MyBw | min | 0 | (25) | −0,882 | −0,034 | 21,388 |
| | | | max | 0 | (25) | −0,953 | 0,032 | −16,136 |
| | | Mz | min | 1,830 | (912) | −0,055 | −0,006 | 0,001 |
| | | | max | 1,830 | (912) | −0,170 | 0,007 | 0,037 |
| 8 | 2 | | | L=2,000 | | | | |
| | | Nx | min | 0 | (29) | **−6,225** | 1,802 | −5,012 |
| | | | max | 0 | (29) | **3,604** | −1,549 | 6,580 |
| | | Vy | min | 0 | (29) | 3,604 | **−1,549** | 6,580 |
| | | | max | 0 | (29) | −6,225 | **1,802** | −5,012 |
| | | Vz | min | 0,065 | (833) | −5,271 | 1,359 | **−6,026** |
| | | | max | 0,065 | (833) | 2,700 | −1,249 | **7,987** |
| | | Tx | min | 0,138 | (834) | 2,302 | −0,852 | 5,787 |
| | | | max | 0,138 | (834) | −4,820 | 0,876 | −4,391 |
| | | My | min | 0 | (29) | 2,993 | −1,436 | 6,579 |
| | | | max | 0 | (29) | −5,614 | 1,689 | −5,011 |
| | | MyBw | min | 0 | (29) | 2,993 | −1,436 | 6,579 |

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *Tx* *[kNm]* | *My* *[kNm]* | *MyBw* *[kNm]* | *Mz* *[kNm]* | *Maßgebende Kombination* |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Mz | min | 0 | (23) | −0,003 | −7,128 | −7,128 | **−0,010** | [EG1] {1,5*Erddr} |
| | | | max | 0 | (23) | 0 | 5,302 | 5,302 | **0,008** | [1,35*EG1] {1,5*Wasserdr} |
| 7 | 2 | | | L=2,000 | | | | | | |
| | | Nx | min | 0,235 | (907) | 0 | −2,974 | −2,974 | 0 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 2,000 | (48) | 0 | 0 | 0 | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vy | min | 0 | (25) | 0 | −6,074 | −6,074 | 0 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (25) | 0 | 4,517 | 4,517 | −0,001 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vz | min | 0 | (25) | 0 | 4,517 | 4,517 | −0,001 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (25) | 0 | −6,074 | −6,074 | 0 | [EG1] {1,5*Erddr} |
| | | Tx | min | 0 | (25) | **0** | −6,074 | −6,074 | 0 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (25) | **0** | 4,517 | 4,517 | −0,001 | [1,35*EG1] {1,5*Wasserdr} |
| | | My | min | 0 | (25) | 0 | **−6,074** | −6,074 | 0 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (25) | 0 | **4,517** | 4,517 | −0,001 | [1,35*EG1] {1,5*Wasserdr} |
| | | MyBw | min | 0 | (25) | 0 | −6,074 | **−6,074** | 0 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (25) | 0 | 4,517 | **4,517** | −0,001 | [1,35*EG1] {1,5*Wasserdr} |
| | | Mz | min | 1,830 | (912) | 0 | −0,004 | −0,004 | **−0,002** | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 1,830 | (912) | 0 | 0,004 | 0,004 | **0,002** | [EG1] {1,5*Erddr} |
| 8 | 2 | | | L=2,000 | | | | | | |
| | | Nx | min | 0 | (29) | −0,008 | 3,787 | 3,787 | 0,312 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (29) | 0,011 | −5,158 | −5,158 | −0,297 | [EG1] {1,5*Erddr} |
| | | Vy | min | 0 | (29) | 0,011 | −5,158 | −5,158 | −0,297 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (29) | −0,008 | 3,787 | 3,787 | 0,312 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vz | min | 0,065 | (833) | 0,056 | 3,029 | 3,029 | 0,196 | [EG1] {1,5*Wasserdr} |
| | | | max | 0,065 | (833) | −0,077 | −4,141 | −4,141 | −0,193 | [1,35*EG1] {1,5*Erddr} |
| | | Tx | min | 0,138 | (834) | **−0,164** | −3,529 | −3,529 | −0,116 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 0,138 | (834) | **0,119** | 2,568 | 2,568 | 0,115 | [EG1] {1,5*Wasserdr} |
| | | My | min | 0 | (29) | 0,011 | **−5,163** | −5,163 | −0,281 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 0 | (29) | −0,008 | **3,791** | 3,791 | 0,296 | [EG1] {1,5*Wasserdr} |
| | | MyBw | min | 0 | (29) | 0,011 | −5,163 | **−5,163** | −0,281 | [1,35*EG1] {1,5*Erddr} |

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## Plattenbalkenkräfte [Linear, Maßgebend Min./Max.(Alle ULS )]

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *Nx* *[kN]* | *Vy* *[kN]* | *Vz* *[kN]* |
|---|---|---|---|---|---|---|---|---|
| | | | max | 0 | (29) | −5,614 | 1,689 | −5,011 |
| | | Mz | min | 0 | (29) | 3,604 | −1,549 | 6,580 |
| | | | max | 0 | (29) | −6,225 | 1,802 | −5,012 |
| 9 | 1 | | | L=2,000 | | | | |
| | | Nx | min | 0,141 | (975) | **−1,599** | 0,118 | 8,097 |
| | | | max | 2,000 | (31) | **0,003** | 0,016 | −0,014 |
| | | Vy | min | 0 | (8) | −0,820 | **−0,359** | −14,630 |
| | | | max | 0 | (8) | −1,153 | **0,203** | 17,064 |
| | | Vz | min | 0 | (8) | −0,517 | −0,332 | **−14,647** |
| | | | max | 0 | (8) | −1,456 | 0,177 | **17,082** |
| | | Tx | min | 0 | (8) | −0,517 | −0,332 | −14,647 |
| | | | max | 0 | (8) | −1,456 | 0,177 | 17,082 |
| | | My | min | 0 | (8) | −1,456 | 0,177 | 17,082 |
| | | | max | 0 | (8) | −0,517 | −0,332 | −14,647 |
| | | MyBw | min | 0 | (8) | −1,456 | 0,177 | 17,082 |
| | | | max | 0 | (8) | −0,517 | −0,332 | −14,647 |
| | | Mz | min | 0 | (8) | −0,820 | −0,359 | −14,630 |
| | | | max | 0 | (8) | −1,153 | 0,203 | 17,064 |
| 10 | 1 | | | L=2,000 | | | | |
| | | Nx | min | 0,155 | (795) | **−1,923** | −0,019 | 6,960 |
| | | | max | 2,000 | (32) | **0,025** | 0,036 | −0,002 |
| | | Vy | min | 0 | (9) | −0,445 | **−0,085** | −14,605 |
| | | | max | 2,000 | (32) | 0,025 | **0,036** | −0,002 |
| | | Vz | min | 0 | (9) | −0,199 | −0,076 | **−14,613** |
| | | | max | 0 | (9) | −1,515 | 0,007 | **18,273** |
| | | Tx | min | 0,590 | (799) | −0,443 | −0,022 | −1,944 |
| | | | max | 0,463 | (798) | −1,611 | 0,018 | 2,738 |
| | | My | min | 0 | (9) | −1,515 | 0,007 | 18,273 |
| | | | max | 0 | (9) | −0,199 | −0,076 | −14,613 |

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *Tx* *[kNm]* | *My* *[kNm]* | *MyBw* *[kNm]* | *Mz* *[kNm]* | *Maßgebende Kombination* |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | max | 0 | (29) | −0,008 | 3,791 | **3,791** | 0,296 | [EG1] {1,5*Wasserdr} |
| | | Mz | min | 0 | (29) | 0,011 | −5,158 | −5,158 | **−0,297** | [EG1] {1,5*Erddr} |
| | | | max | 0 | (29) | −0,008 | 3,787 | 3,787 | **0,312** | [1,35*EG1] {1,5*Wasserdr} |
| 9 | 1 | | | L=2,000 | | | | | | |
| | | Nx | min | 0,141 | (975) | 0 | −3,440 | −3,440 | 0,042 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 2,000 | (31) | 0 | −0,002 | −0,002 | 0 | [EG1] {1,5*Wasserdr} |
| | | Vy | min | 0 | (8) | 0 | 4,345 | 4,345 | −0,099 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (8) | 0 | −5,333 | −5,333 | 0,069 | [EG1] {1,5*Erddr} |
| | | Vz | min | 0 | (8) | 0 | 4,352 | 4,352 | −0,093 | [EG1] {1,5*Wasserdr} |
| | | | max | 0 | (8) | 0 | −5,340 | −5,340 | 0,063 | [1,35*EG1] {1,5*Erddr} |
| | | Tx | min | 0 | (8) | **0** | 4,352 | 4,352 | −0,093 | [EG1] {1,5*Wasserdr} |
| | | | max | 0 | (8) | **0** | −5,340 | −5,340 | 0,063 | [1,35*EG1] {1,5*Erddr} |
| | | My | min | 0 | (8) | 0 | **−5,340** | −5,340 | 0,063 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 0 | (8) | 0 | **4,352** | 4,352 | −0,093 | [EG1] {1,5*Wasserdr} |
| | | MyBw | min | 0 | (8) | 0 | −5,340 | **−5,340** | 0,063 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 0 | (8) | 0 | 4,352 | **4,352** | −0,093 | [EG1] {1,5*Wasserdr} |
| | | Mz | min | 0 | (8) | 0 | 4,345 | 4,345 | **−0,099** | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (8) | 0 | −5,333 | −5,333 | **0,069** | [EG1] {1,5*Erddr} |
| 10 | 1 | | | L=2,000 | | | | | | |
| | | Nx | min | 0,155 | (795) | 0,248 | −3,232 | −3,232 | 0,009 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 2,000 | (32) | −0,003 | −0,005 | −0,005 | 0,001 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vy | min | 0 | (9) | 0,007 | 5,107 | 5,107 | −0,018 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 2,000 | (32) | −0,003 | −0,005 | −0,005 | 0,001 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vz | min | 0 | (9) | 0,007 | 5,111 | 5,111 | −0,016 | [EG1] {1,5*Wasserdr} |
| | | | max | 0 | (9) | −0,030 | −6,502 | −6,502 | 0,008 | [1,35*EG1] {1,5*Erddr} |
| | | Tx | min | 0,590 | (799) | **−0,104** | 1,096 | 1,096 | −0,007 | [EG1] {1,5*Wasserdr} |
| | | | max | 0,463 | (798) | **0,369** | −1,915 | −1,915 | 0,009 | [1,35*EG1] {1,5*Erddr} |
| | | My | min | 0 | (9) | −0,030 | **−6,502** | −6,502 | 0,008 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 0 | (9) | 0,007 | **5,111** | 5,111 | −0,016 | [EG1] {1,5*Wasserdr} |

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## Plattenbalkenkräfte [Linear, Maßgebend Min./Max.(Alle ULS )]

| | *Pr.* | *K* | *min. max.* | *Abst. [m]* | *Knoten* | *Nx [kN]* | *Vy [kN]* | *Vz [kN]* |
|---|---|---|---|---|---|---|---|---|
| | | MyBw | min | 0 | (9) | −1,515 | 0,007 | 18,273 |
| | | | max | 0 | (9) | −0,199 | −0,076 | −14,613 |
| | | Mz | min | 0 | (9) | −0,445 | −0,085 | −14,605 |
| | | | max | 0,247 | (796) | −1,582 | −0,005 | 4,433 |
| 11 | 1 | | | L=2,000 | | | | |
| | | Nx | min | 0,223 | (808) | **−1,770** | −0,021 | 6,396 |
| | | | max | 2,000 | (33) | **0,019** | 0,029 | 0,013 |
| | | Vy | min | 2,000 | (33) | −0,034 | **−0,035** | 0,009 |
| | | | max | 2,000 | (33) | 0,018 | **0,030** | 0,014 |
| | | Vz | min | 0 | (10) | −0,492 | −0,023 | **−14,868** |
| | | | max | 0 | (10) | −1,495 | −0,016 | **19,451** |
| | | Tx | min | 0 | (10) | −0,492 | −0,023 | −14,868 |
| | | | max | 0 | (10) | −1,495 | −0,016 | 19,451 |
| | | My | min | 0 | (10) | −1,495 | −0,016 | 19,451 |
| | | | max | 0 | (10) | −0,492 | −0,023 | −14,868 |
| | | MyBw | min | 0 | (10) | −1,495 | −0,016 | 19,451 |
| | | | max | 0 | (10) | −0,492 | −0,023 | −14,868 |
| | | Mz | min | 1,743 | (818) | −0,225 | 0,002 | 0,159 |
| | | | max | 0,527 | (811) | −1,272 | 0,004 | 3,490 |
| 12 | 1 | | | L=2,000 | | | | |
| | | Nx | min | 0,141 | (915) | **−1,476** | −0,006 | 8,863 |
| | | | max | 2,000 | (37) | **0,064** | 0,011 | 0,013 |
| | | Vy | min | 0 | (14) | −0,887 | **−0,036** | −14,839 |
| | | | max | 2,000 | (37) | 0,064 | **0,011** | 0,013 |
| | | Vz | min | 0 | (14) | −0,887 | −0,036 | **−14,839** |
| | | | max | 0 | (14) | −0,950 | 0,009 | **19,507** |
| | | Tx | min | 1,302 | (924) | −0,283 | −0,002 | −0,521 |
| | | | max | 1,302 | (924) | −0,651 | 0,002 | 0,792 |
| | | My | min | 0 | (14) | −0,950 | 0,009 | 19,507 |

| | *Pr.* | *K* | *min. max.* | *Abst. [m]* | *Knoten* | *Tx [kNm]* | *My [kNm]* | *MyBw [kNm]* | *Mz [kNm]* | *Maßgebende Kombination* |
|---|---|---|---|---|---|---|---|---|---|---|
| | | MyBw | min | 0 | (9) | −0,030 | −6,502 | **−6,502** | 0,008 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 0 | (9) | 0,007 | 5,111 | **5,111** | −0,016 | [EG1] {1,5*Wasserdr} |
| | | Mz | min | 0 | (9) | 0,007 | 5,107 | 5,107 | **−0,018** | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0,247 | (796) | 0,308 | −2,676 | −2,676 | **0,011** | [EG1] {1,5*Erddr} |
| 11 | 1 | | | L=2,000 | | | | | | |
| | | Nx | min | 0,223 | (808) | 0 | −3,145 | −3,145 | 0,002 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 2,000 | (33) | 0 | −0,001 | −0,001 | 0,001 | [EG1] {1,5*Wasserdr} |
| | | Vy | min | 2,000 | (33) | 0 | 0,003 | 0,003 | −0,001 | [EG1] {1,5*Erddr} |
| | | | max | 2,000 | (33) | 0 | −0,001 | −0,001 | 0,001 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vz | min | 0 | (10) | 0 | 4,605 | 4,605 | −0,002 | [EG1] {1,5*Wasserdr} |
| | | | max | 0 | (10) | 0 | −6,034 | −6,034 | −0,003 | [1,35*EG1] {1,5*Erddr} |
| | | Tx | min | 0 | (10) | **0** | 4,605 | 4,605 | −0,002 | [EG1] {1,5*Wasserdr} |
| | | | max | 0 | (10) | **0** | −6,034 | −6,034 | −0,003 | [1,35*EG1] {1,5*Erddr} |
| | | My | min | 0 | (10) | 0 | **−6,034** | −6,034 | −0,003 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 0 | (10) | 0 | **4,605** | 4,605 | −0,002 | [EG1] {1,5*Wasserdr} |
| | | MyBw | min | 0 | (10) | 0 | −6,034 | **−6,034** | −0,003 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 0 | (10) | 0 | 4,605 | **4,605** | −0,002 | [EG1] {1,5*Wasserdr} |
| | | Mz | min | 1,743 | (818) | 0 | −0,015 | −0,015 | **−0,005** | [EG1] {1,5*Erddr} |
| | | | max | 0,527 | (811) | 0 | −1,752 | −1,752 | **0,005** | [EG1] {1,5*Erddr} |
| 12 | 1 | | | L=2,000 | | | | | | |
| | | Nx | min | 0,141 | (915) | 0,062 | −3,652 | −3,652 | −0,001 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 2,000 | (37) | −0,001 | 0 | 0 | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vy | min | 0 | (14) | 0,002 | 5,345 | 5,345 | −0,003 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 2,000 | (37) | −0,001 | 0 | 0 | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vz | min | 0 | (14) | 0,002 | 5,345 | 5,345 | −0,003 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (14) | −0,009 | −7,112 | −7,112 | −0,002 | [EG1] {1,5*Erddr} |
| | | Tx | min | 1,302 | (924) | **−0,022** | 0,121 | 0,121 | 0,001 | [EG1] {1,5*Wasserdr} |
| | | | max | 1,302 | (924) | **0,129** | −0,207 | −0,207 | −0,001 | [1,35*EG1] {1,5*Erddr} |
| | | My | min | 0 | (14) | −0,009 | **−7,112** | −7,112 | −0,002 | [EG1] {1,5*Erddr} |

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## Plattenbalkenkräfte [Linear, Maßgebend Min./Max.(Alle ULS )]

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *Nx* *[kN]* | *Vy* *[kN]* | *Vz* *[kN]* |
|---|---|---|---|---|---|---|---|---|
| | | | max | 0 | (14) | −0,887 | −0,036 | −14,839 |
| | | MyBw | min | 0 | (14) | −0,950 | 0,009 | 19,507 |
| | | | max | 0 | (14) | −0,887 | −0,036 | −14,839 |
| | | Mz | min | 0 | (14) | −0,887 | −0,036 | −14,839 |
| | | | max | 1,743 | (926) | −0,099 | 0 | −0,045 |
| 13 | 1 | | | L=2,000 | | | | |
| | | Nx | min | 0,247 | (929) | **−1,406** | −0,005 | 6,034 |
| | | | max | 2,000 | (38) | **0,040** | 0,006 | 0,040 |
| | | Vy | min | 0 | (15) | −1,086 | **−0,022** | −15,251 |
| | | | max | 2,000 | (38) | 0,040 | **0,006** | 0,040 |
| | | Vz | min | 0 | (15) | −1,086 | −0,022 | **−15,251** |
| | | | max | 0 | (15) | −0,928 | 0 | **20,120** |
| | | Tx | min | 0 | (15) | −1,086 | −0,022 | −15,251 |
| | | | max | 0 | (15) | −1,224 | −0,003 | 20,118 |
| | | My | min | 0 | (15) | −0,928 | 0 | 20,120 |
| | | | max | 0 | (15) | −1,086 | −0,022 | −15,251 |
| | | MyBw | min | 0 | (15) | −0,928 | 0 | 20,120 |
| | | | max | 0 | (15) | −1,086 | −0,022 | −15,251 |
| | | Mz | min | 0 | (15) | −1,224 | −0,003 | 20,118 |
| | | | max | 1,727 | (938) | −0,125 | 0 | −0,052 |
| 14 | 1 | | | L=2,000 | | | | |
| | | Nx | min | 0,141 | (879) | **−1,426** | −0,008 | 8,682 |
| | | | max | 2,000 | (39) | **0,073** | 0,005 | 0,009 |
| | | Vy | min | 0 | (16) | −0,921 | **−0,014** | −14,850 |
| | | | max | 2,000 | (39) | 0,073 | **0,005** | 0,009 |
| | | Vz | min | 0 | (16) | −0,921 | −0,014 | **−14,850** |
| | | | max | 0 | (16) | −0,908 | 0,001 | **19,617** |
| | | Tx | min | 0,415 | (882) | −0,786 | 0,002 | −2,619 |
| | | | max | 1,113 | (887) | −0,762 | 0 | 1,236 |

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *Tx* *[kNm]* | *My* *[kNm]* | *MyBw* *[kNm]* | *Mz* *[kNm]* | *Maßgebende Kombination* |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | max | 0 | (14) | 0,002 | **5,345** | 5,345 | −0,003 | [1,35*EG1] {1,5*Wasserdr} |
| | | MyBw | min | 0 | (14) | −0,009 | −7,112 | **−7,112** | −0,002 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (14) | 0,002 | 5,345 | **5,345** | −0,003 | [1,35*EG1] {1,5*Wasserdr} |
| | | Mz | min | 0 | (14) | 0,002 | 5,345 | 5,345 | **−0,003** | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 1,743 | (926) | −0,020 | 0,002 | 0,002 | **0,002** | [1,35*EG1] {1,5*Wasserdr} |
| 13 | 1 | | | L=2,000 | | | | | | |
| | | Nx | min | 0,247 | (929) | 0 | −3,141 | −3,141 | −0,001 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 2,000 | (38) | 0 | −0,002 | −0,002 | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vy | min | 0 | (15) | 0 | 4,687 | 4,687 | −0,002 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 2,000 | (38) | 0 | −0,002 | −0,002 | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vz | min | 0 | (15) | 0 | 4,687 | 4,687 | −0,002 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (15) | 0 | −6,264 | −6,264 | −0,002 | [EG1] {1,5*Erddr} |
| | | Tx | min | 0 | (15) | **0** | 4,687 | 4,687 | −0,002 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (15) | **0** | −6,263 | −6,263 | −0,003 | [1,35*EG1] {1,5*Erddr} |
| | | My | min | 0 | (15) | 0 | **−6,264** | −6,264 | −0,002 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (15) | 0 | **4,687** | 4,687 | −0,002 | [1,35*EG1] {1,5*Wasserdr} |
| | | MyBw | min | 0 | (15) | 0 | −6,264 | **−6,264** | −0,002 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (15) | 0 | 4,687 | **4,687** | −0,002 | [1,35*EG1] {1,5*Wasserdr} |
| | | Mz | min | 0 | (15) | 0 | −6,263 | −6,263 | **−0,003** | [1,35*EG1] {1,5*Erddr} |
| | | | max | 1,727 | (938) | 0 | −0,003 | −0,003 | **0,001** | [1,35*EG1] {1,5*Wasserdr} |
| 14 | 1 | | | L=2,000 | | | | | | |
| | | Nx | min | 0,141 | (879) | 0,047 | −3,687 | −3,687 | −0,002 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 2,000 | (39) | 0 | −0,001 | −0,001 | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vy | min | 0 | (16) | 0 | 5,359 | 5,359 | −0,001 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 2,000 | (39) | 0 | −0,001 | −0,001 | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vz | min | 0 | (16) | 0 | 5,359 | 5,359 | −0,001 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (16) | −0,005 | −7,172 | −7,172 | −0,003 | [EG1] {1,5*Erddr} |
| | | Tx | min | 0,415 | (882) | **−0,022** | 1,570 | 1,570 | 0 | [EG1] {1,5*Wasserdr} |
| | | | max | 1,113 | (887) | **0,096** | −0,431 | −0,431 | 0 | [1,35*EG1] {1,5*Erddr} |

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## Plattenbalkenkräfte [Linear, Maßgebend Min./Max.(Alle ULS )]

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *Nx* *[kN]* | *Vy* *[kN]* | *Vz* *[kN]* |
|---|---|---|---|---|---|---|---|---|
| | | My | min | 0 | (16) | −0,908 | 0,001 | 19,617 |
| | | | max | 0 | (16) | −0,921 | −0,014 | −14,850 |
| | | MyBw | min | 0 | (16) | −0,908 | 0,001 | 19,617 |
| | | | max | 0 | (16) | −0,921 | −0,014 | −14,850 |
| | | Mz | min | 0 | (16) | −1,173 | −0,001 | 19,613 |
| | | | max | 0,141 | (879) | −0,844 | −0,002 | −6,659 |
| 15 | 1 | | | L=2,000 | | | | |
| | | Nx | min | 0,223 | (856) | **−1,379** | −0,004 | 6,723 |
| | | | max | 2,000 | (43) | **0,042** | −0,001 | 0,027 |
| | | Vy | min | 0 | (20) | −1,224 | **−0,019** | 19,836 |
| | | | max | 2,000 | (43) | −0,054 | **0,005** | −0,053 |
| | | Vz | min | 0 | (20) | −1,064 | 0,001 | **−14,984** |
| | | | max | 0 | (20) | −0,931 | −0,017 | **19,840** |
| | | Tx | min | 2,000 | (43) | −0,054 | 0,005 | −0,053 |
| | | | max | 0 | (20) | −0,931 | −0,017 | 19,840 |
| | | My | min | 0 | (20) | −0,931 | −0,017 | 19,840 |
| | | | max | 0 | (20) | −1,064 | 0,001 | −14,984 |
| | | MyBw | min | 0 | (20) | −0,931 | −0,017 | 19,840 |
| | | | max | 0 | (20) | −1,064 | 0,001 | −14,984 |
| | | Mz | min | 0 | (20) | −1,224 | −0,019 | 19,836 |
| | | | max | 1,743 | (866) | −0,303 | 0 | 0,119 |
| 16 | 1 | | | L=2,000 | | | | |
| | | Nx | min | 0,155 | (949) | **−1,411** | −0,005 | 7,806 |
| | | | max | 2,000 | (44) | **0,082** | −0,005 | 0,014 |
| | | Vy | min | 0 | (21) | −1,138 | **−0,020** | 20,203 |
| | | | max | 0 | (21) | −0,649 | **0,009** | −15,229 |
| | | Vz | min | 0 | (21) | −0,909 | 0,008 | **−15,236** |
| | | | max | 0 | (21) | −0,878 | −0,019 | **20,210** |
| | | Tx | min | 0 | (21) | −1,138 | −0,020 | 20,203 |

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *Tx* *[kNm]* | *My* *[kNm]* | *MyBw* *[kNm]* | *Mz* *[kNm]* | *Maßgebende Kombination* |
|---|---|---|---|---|---|---|---|---|---|---|
| | | My | min | 0 | (16) | −0,005 | **−7,172** | −7,172 | −0,003 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (16) | 0 | **5,359** | 5,359 | −0,001 | [1,35*EG1] {1,5*Wasserdr} |
| | | MyBw | min | 0 | (16) | −0,005 | −7,172 | **−7,172** | −0,003 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (16) | 0 | 5,359 | **5,359** | −0,001 | [1,35*EG1] {1,5*Wasserdr} |
| | | Mz | min | 0 | (16) | −0,005 | −7,170 | −7,170 | **−0,004** | [1,35*EG1] {1,5*Erddr} |
| | | | max | 0,141 | (879) | −0,006 | 2,724 | 2,724 | **0,001** | [EG1] {1,5*Wasserdr} |
| 15 | 1 | | | L=2,000 | | | | | | |
| | | Nx | min | 0,223 | (856) | 0 | −3,322 | −3,322 | −0,001 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 2,000 | (43) | 0 | −0,001 | −0,001 | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vy | min | 0 | (20) | 0 | −6,297 | −6,297 | −0,003 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 2,000 | (43) | 0 | 0,003 | 0,003 | 0 | [1,35*EG1] {1,5*Erddr} |
| | | Vz | min | 0 | (20) | 0 | 4,685 | 4,685 | −0,001 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (20) | 0 | −6,299 | −6,299 | −0,003 | [EG1] {1,5*Erddr} |
| | | Tx | min | 2,000 | (43) | **0** | 0,003 | 0,003 | 0 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 0 | (20) | **0** | −6,299 | −6,299 | −0,003 | [EG1] {1,5*Erddr} |
| | | My | min | 0 | (20) | 0 | **−6,299** | −6,299 | −0,003 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (20) | 0 | **4,685** | 4,685 | −0,001 | [1,35*EG1] {1,5*Wasserdr} |
| | | MyBw | min | 0 | (20) | 0 | −6,299 | **−6,299** | −0,003 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (20) | 0 | 4,685 | **4,685** | −0,001 | [1,35*EG1] {1,5*Wasserdr} |
| | | Mz | min | 0 | (20) | 0 | −6,297 | −6,297 | **−0,003** | [1,35*EG1] {1,5*Erddr} |
| | | | max | 1,743 | (866) | 0 | −0,002 | −0,002 | **0,001** | [1,35*EG1] {1,5*Erddr} |
| 16 | 1 | | | L=2,000 | | | | | | |
| | | Nx | min | 0,155 | (949) | 0,008 | −3,545 | −3,545 | −0,001 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 2,000 | (44) | 0,002 | −0,002 | −0,002 | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vy | min | 0 | (21) | −0,002 | −7,167 | −7,167 | −0,003 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 0 | (21) | −0,001 | 5,330 | 5,330 | 0 | [EG1] {1,5*Wasserdr} |
| | | Vz | min | 0 | (21) | −0,001 | 5,333 | 5,333 | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (21) | −0,002 | −7,170 | −7,170 | −0,003 | [EG1] {1,5*Erddr} |
| | | Tx | min | 0 | (21) | **−0,002** | −7,167 | −7,167 | −0,003 | [1,35*EG1] {1,5*Erddr} |

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## Plattenbalkenkräfte [Linear, Maßgebend Min./Max.(Alle ULS )]

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *Nx* *[kN]* | *Vy* *[kN]* | *Vz* *[kN]* |
|---|---|---|---|---|---|---|---|---|
| | | | max | 1,262 | (957) | −0,448 | 0,001 | −0,586 |
| | | My | min | 0 | (21) | −0,878 | −0,019 | 20,210 |
| | | | max | 0 | (21) | −0,909 | 0,008 | −15,236 |
| | | MyBw | min | 0 | (21) | −0,878 | −0,019 | 20,210 |
| | | | max | 0 | (21) | −0,909 | 0,008 | −15,236 |
| | | Mz | min | 0 | (21) | −1,138 | −0,020 | 20,203 |
| | | | max | 1,727 | (959) | −0,253 | 0 | 0,153 |
| 17 | 1 | | | L=2,000 | | | | |
| | | Nx | min | 0,223 | (962) | **−1,422** | 0 | 6,646 |
| | | | max | 2,000 | (45) | **0,039** | −0,009 | 0,035 |
| | | Vy | min | 2,000 | (45) | 0,039 | **−0,009** | 0,035 |
| | | | max | 2,000 | (45) | −0,049 | **0,011** | −0,050 |
| | | Vz | min | 0 | (22) | −1,018 | 0,008 | **−14,971** |
| | | | max | 0 | (22) | −0,955 | −0,009 | **19,828** |
| | | Tx | min | 2,000 | (45) | −0,048 | 0,011 | −0,050 |
| | | | max | 2,000 | (45) | 0,038 | −0,009 | 0,035 |
| | | My | min | 0 | (22) | −0,955 | −0,009 | 19,828 |
| | | | max | 0 | (22) | −1,018 | 0,008 | −14,971 |
| | | MyBw | min | 0 | (22) | −0,955 | −0,009 | 19,828 |
| | | | max | 0 | (22) | −1,018 | 0,008 | −14,971 |
| | | Mz | min | 1,743 | (972) | −0,108 | −0,001 | −0,043 |
| | | | max | 1,743 | (972) | −0,251 | 0,001 | 0,121 |
| 18 | 1 | | | L=2,000 | | | | |
| | | Nx | min | 0,223 | (1010) | **−1,780** | 0,022 | 5,526 |
| | | | max | 2,000 | (49) | **0,043** | −0,039 | −0,004 |
| | | Vy | min | 2,000 | (49) | 0,043 | **−0,039** | −0,004 |
| | | | max | 2,000 | (49) | −0,050 | **0,042** | 0,006 |
| | | Vz | min | 0 | (26) | −0,597 | 0,020 | **−14,609** |
| | | | max | 0 | (26) | −1,168 | −0,005 | **19,364** |

| | *Pr.* | *K* | *min.* *max.* | *Abst.* *[m]* | *Knoten* | *Tx* *[kNm]* | *My* *[kNm]* | *MyBw* *[kNm]* | *Mz* *[kNm]* | *Maßgebende Kombination* |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | max | 1,262 | (957) | **0,025** | 0,152 | 0,152 | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | My | min | 0 | (21) | −0,002 | **−7,170** | −7,170 | −0,003 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (21) | −0,001 | **5,333** | 5,333 | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | MyBw | min | 0 | (21) | −0,002 | −7,170 | **−7,170** | −0,003 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (21) | −0,001 | 5,333 | **5,333** | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | Mz | min | 0 | (21) | −0,002 | −7,167 | −7,167 | **−0,003** | [1,35*EG1] {1,5*Erddr} |
| | | | max | 1,727 | (959) | 0,006 | −0,014 | −0,014 | **0,001** | [EG1] {1,5*Erddr} |
| 17 | 1 | | | L=2,000 | | | | | | |
| | | Nx | min | 0,223 | (962) | 0 | −3,319 | −3,319 | −0,001 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 2,000 | (45) | 0 | −0,002 | −0,002 | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vy | min | 2,000 | (45) | 0 | −0,002 | −0,002 | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 2,000 | (45) | 0 | 0,003 | 0,003 | 0 | [EG1] {1,5*Erddr} |
| | | Vz | min | 0 | (22) | 0 | 4,677 | 4,677 | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (22) | 0 | −6,292 | −6,292 | −0,001 | [EG1] {1,5*Erddr} |
| | | Tx | min | 2,000 | (45) | **0** | 0,003 | 0,003 | 0 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 2,000 | (45) | **0** | −0,002 | −0,002 | 0 | [EG1] {1,5*Wasserdr} |
| | | My | min | 0 | (22) | 0 | **−6,292** | −6,292 | −0,001 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (22) | 0 | **4,677** | 4,677 | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | MyBw | min | 0 | (22) | 0 | −6,292 | **−6,292** | −0,001 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (22) | 0 | 4,677 | **4,677** | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | Mz | min | 1,743 | (972) | 0 | −0,003 | −0,003 | **−0,001** | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 1,743 | (972) | 0 | −0,003 | −0,003 | **0,002** | [EG1] {1,5*Erddr} |
| 18 | 1 | | | L=2,000 | | | | | | |
| | | Nx | min | 0,223 | (1010) | −0,081 | −3,002 | −3,002 | −0,002 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 2,000 | (49) | 0,002 | −0,004 | −0,004 | −0,001 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vy | min | 2,000 | (49) | 0,002 | −0,004 | −0,004 | −0,001 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 2,000 | (49) | −0,002 | 0,006 | 0,006 | 0,001 | [EG1] {1,5*Erddr} |
| | | Vz | min | 0 | (26) | −0,003 | 5,256 | 5,256 | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (26) | 0,004 | −7,068 | −7,068 | 0,001 | [EG1] {1,5*Erddr} |

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## Plattenbalkenkräfte [Linear, Maßgebend Min./Max.(Alle ULS )]

| | *Pr.* | *K* | *min.*<br>*max.* | *Abst.*<br>*[m]* | *Knoten* | *Nx*<br>*[kN]* | *Vy*<br>*[kN]* | *Vz*<br>*[kN]* |
|---|---|---|---|---|---|---|---|---|
| | | Tx | min | 0,652 | (1014) | −1,391 | −0,007 | 2,462 |
| | | | max | 0,652 | (1014) | −0,352 | 0,007 | −1,827 |
| | | My | min | 0 | (26) | −1,168 | −0,005 | 19,364 |
| | | | max | 0 | (26) | −0,597 | 0,020 | −14,609 |
| | | MyBw | min | 0 | (26) | −1,168 | −0,005 | 19,364 |
| | | | max | 0 | (26) | −0,597 | 0,020 | −14,609 |
| | | Mz | min | 0,527 | (1013) | −1,275 | −0,003 | 3,000 |
| | | | max | 1,743 | (1020) | −0,212 | −0,005 | 0,158 |
| 19 | 1 | | | L=2,000 | | | | |
| | | Nx | min | 0,247 | (1023) | **−1,953** | 0,007 | 5,738 |
| | | | max | 2,000 | (50) | **0,010** | −0,033 | 0,006 |
| | | Vy | min | 2,000 | (50) | 0,009 | **−0,034** | 0,006 |
| | | | max | 0 | (27) | −0,563 | **0,069** | −15,050 |
| | | Vz | min | 0 | (27) | −0,563 | 0,069 | **−15,050** |
| | | | max | 0 | (27) | −1,383 | −0,033 | **19,932** |
| | | Tx | min | 0 | (27) | −1,648 | −0,025 | 19,926 |
| | | | max | 0 | (27) | −0,298 | 0,061 | −15,043 |
| | | My | min | 0 | (27) | −1,383 | −0,033 | 19,932 |
| | | | max | 0 | (27) | −0,563 | 0,069 | −15,050 |
| | | MyBw | min | 0 | (27) | −1,383 | −0,033 | 19,932 |
| | | | max | 0 | (27) | −0,563 | 0,069 | −15,050 |
| | | Mz | min | 0 | (27) | −1,383 | −0,033 | 19,932 |
| | | | max | 0 | (27) | −0,563 | 0,069 | −15,050 |
| 20 | 1 | | | L=2,000 | | | | |
| | | Nx | min | 0,141 | (821) | **−1,742** | −0,138 | 7,301 |
| | | | max | 2,000 | (51) | **−0,007** | 0,029 | 0,014 |
| | | Vy | min | 0 | (28) | −1,263 | **−0,292** | 17,307 |
| | | | max | 0 | (28) | −0,557 | **0,371** | −12,986 |
| | | Vz | min | 0 | (28) | −0,306 | 0,344 | **−12,989** |

| | *Pr.* | *K* | *min.*<br>*max.* | *Abst.*<br>*[m]* | *Knoten* | *Tx*<br>*[kNm]* | *My*<br>*[kNm]* | *MyBw*<br>*[kNm]* | *Mz*<br>*[kNm]* | *Maßgebende Kombination* |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Tx | min | 0,652 | (1014) | **−0,113** | −1,412 | −1,412 | −0,004 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 0,652 | (1014) | **0,091** | 0,967 | 0,967 | 0,004 | [EG1] {1,5*Wasserdr} |
| | | My | min | 0 | (26) | 0,004 | **−7,068** | −7,068 | 0,001 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (26) | −0,003 | **5,256** | 5,256 | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | MyBw | min | 0 | (26) | 0,004 | −7,068 | **−7,068** | 0,001 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (26) | −0,003 | 5,256 | **5,256** | 0 | [1,35*EG1] {1,5*Wasserdr} |
| | | Mz | min | 0,527 | (1013) | −0,109 | −1,782 | −1,782 | **−0,005** | [EG1] {1,5*Erddr} |
| | | | max | 1,743 | (1020) | −0,052 | −0,016 | −0,016 | **0,005** | [EG1] {1,5*Erddr} |
| 19 | 1 | | | L=2,000 | | | | | | |
| | | Nx | min | 0,247 | (1023) | 0 | −3,057 | −3,057 | −0,012 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 2,000 | (50) | 0 | −0,002 | −0,002 | −0,001 | [EG1] {1,5*Wasserdr} |
| | | Vy | min | 2,000 | (50) | 0 | −0,002 | −0,002 | −0,001 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (27) | 0 | 4,533 | 4,533 | 0,017 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vz | min | 0 | (27) | 0 | 4,533 | 4,533 | 0,017 | [1,35*EG1] {1,5*Wasserdr} |
| | | | max | 0 | (27) | 0 | −6,106 | −6,106 | −0,013 | [EG1] {1,5*Erddr} |
| | | Tx | min | 0 | (27) | **0** | −6,104 | −6,104 | −0,011 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 0 | (27) | **0** | 4,531 | 4,531 | 0,016 | [EG1] {1,5*Wasserdr} |
| | | My | min | 0 | (27) | 0 | **−6,106** | −6,106 | −0,013 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (27) | 0 | **4,533** | 4,533 | 0,017 | [1,35*EG1] {1,5*Wasserdr} |
| | | MyBw | min | 0 | (27) | 0 | −6,106 | **−6,106** | −0,013 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (27) | 0 | 4,533 | **4,533** | 0,017 | [1,35*EG1] {1,5*Wasserdr} |
| | | Mz | min | 0 | (27) | 0 | −6,106 | −6,106 | **−0,013** | [EG1] {1,5*Erddr} |
| | | | max | 0 | (27) | 0 | 4,533 | 4,533 | **0,017** | [1,35*EG1] {1,5*Wasserdr} |
| 20 | 1 | | | L=2,000 | | | | | | |
| | | Nx | min | 0,141 | (821) | −0,177 | −3,458 | −3,458 | −0,048 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 2,000 | (51) | 0 | 0,005 | 0,005 | 0,001 | [EG1] {1,5*Erddr} |
| | | Vy | min | 0 | (28) | 0,021 | −6,494 | −6,494 | −0,082 | [EG1] {1,5*Erddr} |
| | | | max | 0 | (28) | −0,015 | 4,798 | 4,798 | 0,092 | [1,35*EG1] {1,5*Wasserdr} |
| | | Vz | min | 0 | (28) | −0,015 | 4,799 | 4,799 | 0,087 | [EG1] {1,5*Wasserdr} |

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## Plattenbalkenkräfte [Linear, Maßgebend Min./Max.(Alle ULS )]

| | *Pr.* | *K* | *min.*<br>*max.* | *Abst.*<br>*[m]* | *Knoten* | *Nx*<br>*[kN]* | *Vy*<br>*[kN]* | *Vz*<br>*[kN]* |
|---|---|---|---|---|---|---|---|---|
| | | | max | 0 | (28) | −1,513 | −0,265 | **17,310** |
| | | Tx | min | 0,223 | (822) | −1,591 | −0,122 | 4,846 |
| | | | max | 0,223 | (822) | −0,719 | 0,143 | −3,719 |
| | | My | min | 0 | (28) | −1,513 | −0,265 | 17,310 |
| | | | max | 0 | (28) | −0,306 | 0,344 | −12,989 |
| | | MyBw | min | 0 | (28) | −1,513 | −0,265 | 17,310 |
| | | | max | 0 | (28) | −0,306 | 0,344 | −12,989 |
| | | Mz | min | 0 | (28) | −1,263 | −0,292 | 17,307 |
| | | | max | 0 | (28) | −0,557 | 0,371 | −12,986 |
| Ext. | | | | | | | | |
| 1 | 2 | Nx | min | 0 | (7) | **−6,497** | −1,845 | −5,541 |
| 8 | 2 | | max | 0 | (29) | **3,604** | −1,549 | 6,580 |
| 1 | 2 | Vy | min | 0 | (7) | −6,497 | **−1,845** | −5,541 |
| 8 | 2 | | max | 0 | (29) | −6,225 | **1,802** | −5,012 |
| 5 | 1 | Vz | min | 0 | (19) | −1,000 | 0,023 | **−16,489** |
| 5 | 1 | | max | 0 | (19) | −0,791 | −0,054 | **21,858** |
| 6 | 1 | | max | 0 | (23) | −0,858 | −0,063 | **21,840** |
| 20 | 1 | Tx | min | 0,223 | (822) | −1,591 | −0,122 | 4,846 |
| 10 | 1 | | max | 0,463 | (798) | −1,611 | 0,018 | 2,738 |
| 14 | 1 | My | min | 0 | (16) | −0,908 | 0,001 | 19,617 |
| 16 | 1 | | min | 0 | (21) | −0,878 | −0,019 | 20,210 |
| 14 | 1 | | max | 0 | (16) | −0,921 | −0,014 | −14,850 |
| 14 | 1 | MyBw | min | 0 | (16) | −0,908 | 0,001 | 19,617 |
| 16 | 1 | | min | 0 | (21) | −0,878 | −0,019 | 20,210 |
| 14 | 1 | | max | 0 | (16) | −0,921 | −0,014 | −14,850 |
| 1 | 2 | Mz | min | 0 | (7) | −6,497 | −1,845 | −5,541 |
| 8 | 2 | | max | 0 | (29) | −6,225 | 1,802 | −5,012 |

| | *Pr.* | *K* | *min.*<br>*max.* | *Abst.*<br>*[m]* | *Knoten* | *Tx*<br>*[kNm]* | *My*<br>*[kNm]* | *MyBw*<br>*[kNm]* | *Mz*<br>*[kNm]* | *Maßgebende Kombination* |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | max | 0 | (28) | 0,021 | −6,495 | −6,495 | −0,076 | [1,35*EG1] {1,5*Erddr} |
| | | Tx | min | 0,223 | (822) | **−0,199** | −2,949 | −2,949 | −0,038 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 0,223 | (822) | **0,147** | 2,133 | 2,133 | 0,039 | [EG1] {1,5*Wasserdr} |
| | | My | min | 0 | (28) | 0,021 | **−6,495** | −6,495 | −0,076 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 0 | (28) | −0,015 | **4,799** | 4,799 | 0,087 | [EG1] {1,5*Wasserdr} |
| | | MyBw | min | 0 | (28) | 0,021 | −6,495 | **−6,495** | −0,076 | [1,35*EG1] {1,5*Erddr} |
| | | | max | 0 | (28) | −0,015 | 4,799 | **4,799** | 0,087 | [EG1] {1,5*Wasserdr} |
| | | Mz | min | 0 | (28) | 0,021 | −6,494 | −6,494 | **−0,082** | [EG1] {1,5*Erddr} |
| | | | max | 0 | (28) | −0,015 | 4,798 | 4,798 | **0,092** | [1,35*EG1] {1,5*Wasserdr} |
| Ext. | | | | | | | | | | |
| 1 | 2 | Nx | min | 0 | (7) | 0,009 | 3,795 | 3,795 | −0,317 | [1,35*EG1] {1,5*Wasserdr} |
| 8 | 2 | | max | 0 | (29) | 0,011 | −5,158 | −5,158 | −0,297 | [EG1] {1,5*Erddr} |
| 1 | 2 | Vy | min | 0 | (7) | 0,009 | 3,795 | 3,795 | −0,317 | [1,35*EG1] {1,5*Wasserdr} |
| 8 | 2 | | max | 0 | (29) | −0,008 | 3,787 | 3,787 | 0,312 | [1,35*EG1] {1,5*Wasserdr} |
| 5 | 1 | Vz | min | 0 | (19) | −0,005 | 5,325 | 5,325 | −0,001 | [1,35*EG1] {1,5*Wasserdr} |
| 5 | 1 | | max | 0 | (19) | 0,002 | −7,147 | −7,147 | −0,004 | [EG1] {1,5*Erddr} |
| 6 | 1 | | max | 0 | (23) | −0,003 | −7,128 | −7,128 | −0,010 | [EG1] {1,5*Erddr} |
| 20 | 1 | Tx | min | 0,223 | (822) | **−0,199** | −2,949 | −2,949 | −0,038 | [1,35*EG1] {1,5*Erddr} |
| 10 | 1 | | max | 0,463 | (798) | **0,369** | −1,915 | −1,915 | 0,009 | [1,35*EG1] {1,5*Erddr} |
| 14 | 1 | My | min | 0 | (16) | −0,005 | **−7,172** | −7,172 | −0,003 | [EG1] {1,5*Erddr} |
| 16 | 1 | | min | 0 | (21) | −0,002 | **−7,170** | −7,170 | −0,003 | [EG1] {1,5*Erddr} |
| 14 | 1 | | max | 0 | (16) | 0 | **5,359** | 5,359 | −0,001 | [1,35*EG1] {1,5*Wasserdr} |
| 14 | 1 | MyBw | min | 0 | (16) | −0,005 | −7,172 | **−7,172** | −0,003 | [EG1] {1,5*Erddr} |
| 16 | 1 | | min | 0 | (21) | −0,002 | −7,170 | **−7,170** | −0,003 | [EG1] {1,5*Erddr} |
| 14 | 1 | | max | 0 | (16) | 0 | 5,359 | **5,359** | −0,001 | [1,35*EG1] {1,5*Wasserdr} |
| 1 | 2 | Mz | min | 0 | (7) | 0,009 | 3,795 | 3,795 | **−0,317** | [1,35*EG1] {1,5*Wasserdr} |
| 8 | 2 | | max | 0 | (29) | −0,008 | 3,787 | 3,787 | **0,312** | [1,35*EG1] {1,5*Wasserdr} |

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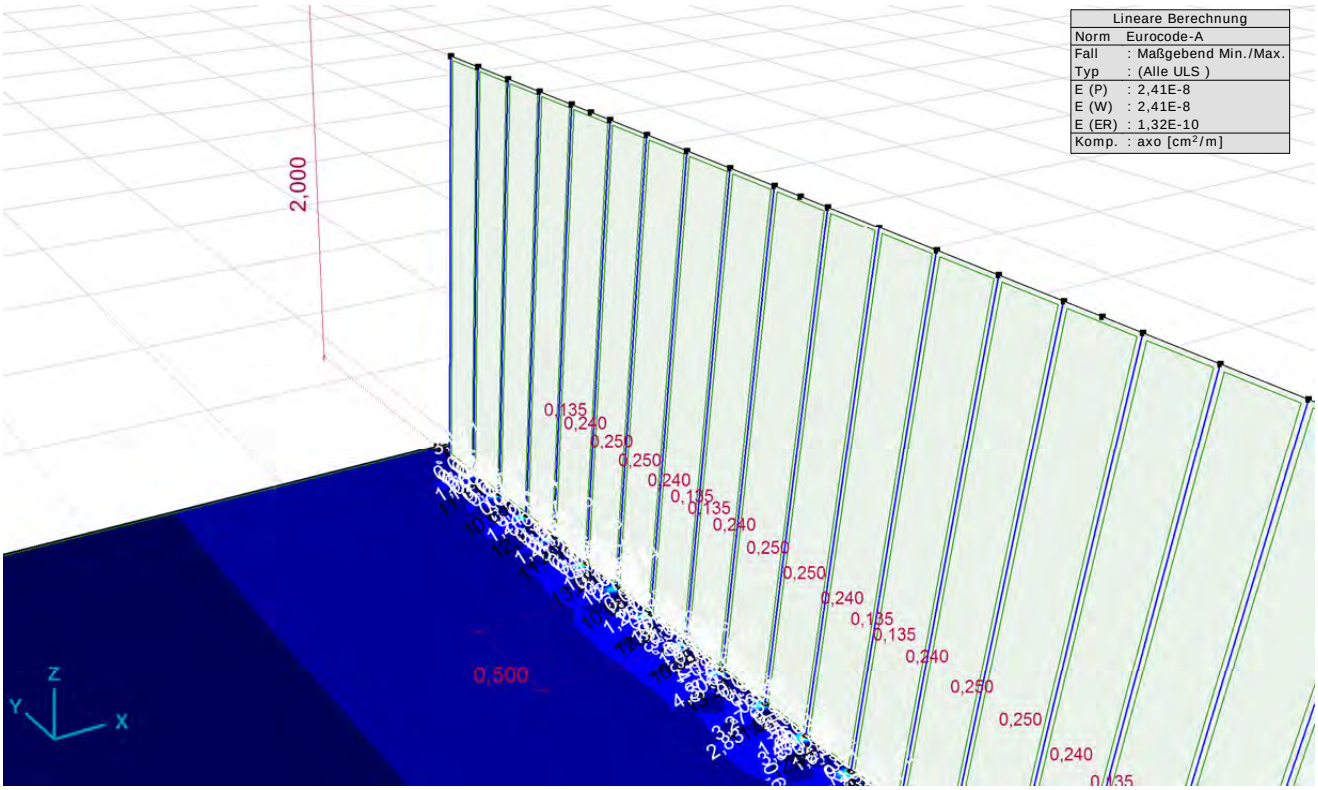
AxisVM 11.0 R4a · Registrierter Benutzer: Not For Resale Version

**Projekt: Poolwand**
Bearbeiter: GSB / Derntl
Modell: **Poolwand_h.2.00.axs**






*Bewehrung*

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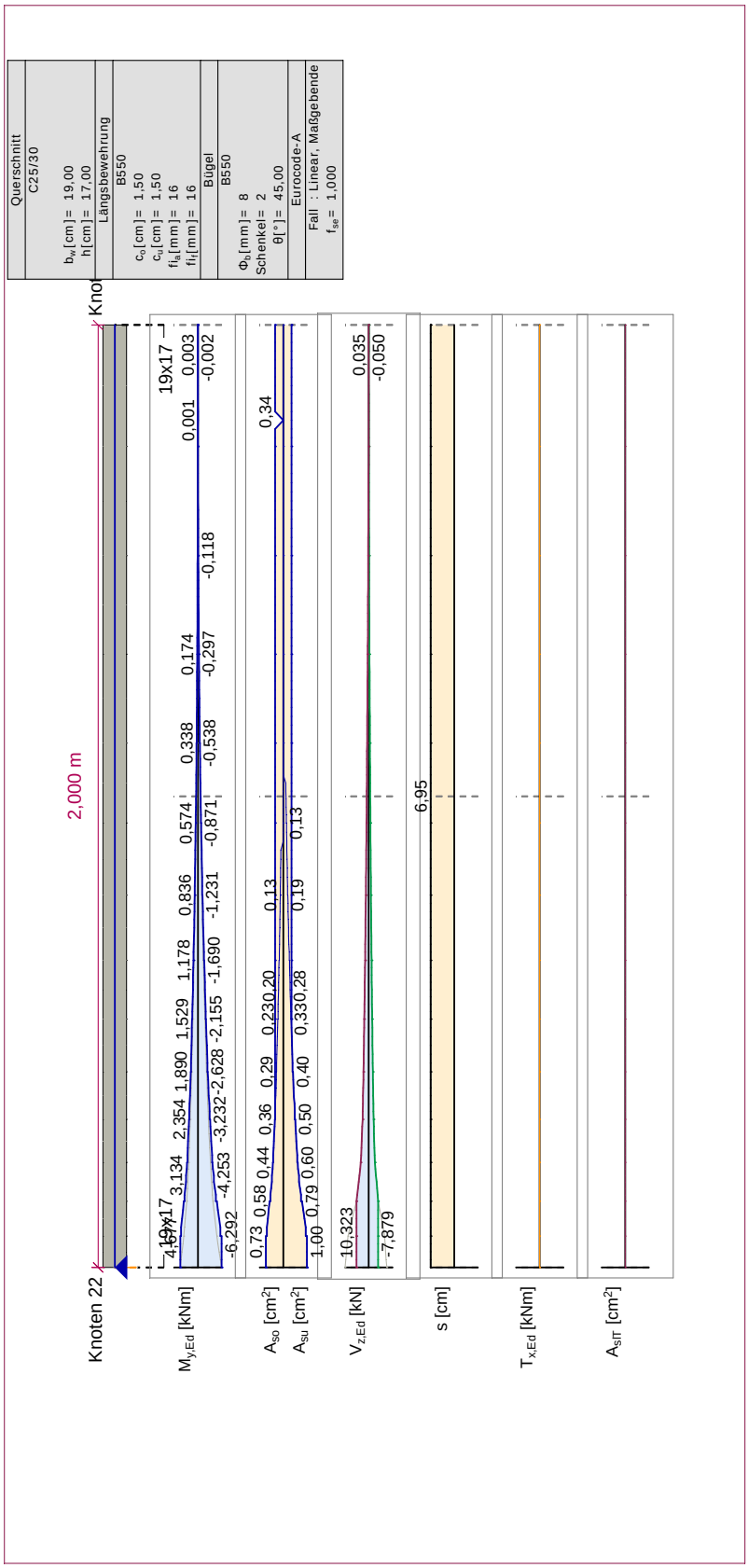


*Riegelbewehrungsdiagram, 1 Stäbe (22-45), Linear,(Auto) Maßgebende*

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