

2

Eckkräfte, Fundamentkräfte, Ballastangaben

Die Eckkräfte und Fundamentkräfte enthalten keinen Eigenlast- und Hublastbeiwert.

120 HC - Turm
6,85 m Grundturmstück
2,5 m Turmstück

Ausführung: schienenfahrbar auf Unterwagen 4,6 m (4,5 m) Spur

| | |
|---|-----|
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| Zentralballast-Aufteilung | 2-1 |
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| Zentralballastblock "B" | 2-3 |

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| Eckkräfte in Betrieb und außer Betrieb | 2-5 |
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Ausführung: schienenfahrbar, stationär mit Stützspindeln auf Fundamentplatten und stationär mit Stützspindeln auf Abstützplatten auf 90 EC-Fundamentkreuz 4,6 m

| | |
|---|------|
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| | |
|---|-------------|
| Eckkräfte mit Klettereinrichtung | 2-21 |
|---|-------------|

| | |
|--|------|
| Eckkräfte in Betrieb und außer Betrieb | 2-22 |
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| Eckkräfte ohne Klettereinrichtung | 2-27 |
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| Eckkräfte in Betrieb und außer Betrieb | 2-28 |
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Ausführung: **schienenfahrbar, stationär mit Stützspindeln auf Fundamentplatten
und stationär mit Stützspindeln auf Abstützplatten
auf 90 EC-Fundamentkreuz 3,8 m**

| | |
|---|-------------|
| Erläuterung zu den Eckkrafttabellen | 2-33 |
| Zentralballast-Aufteilung | 2-34 |
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| Zentralballastblock "B2" | 2-36 |
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| Eckkräfte in Betrieb und außer Betrieb | 2-39 |
| | |
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| Fundamentbelastung mit Klettereinrichtung | 2-50 |
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2

Eckkräfte, Fundamentkräfte, Ballastangaben

Die Eckkräfte und Fundamentkräfte enthalten keinen Eigenlast- und Hublastbeiwert.

120 HC - Turm
2,5 m Turmstück
6,85 m Grundturmstück

Ausführung: schienenfahrbar auf Unterwagen 4,6 m (4,5 m) Spur

| | |
|---|-----|
| Erläuterung zu den Eckkrafttabellen | 2-1 |
| Zentralballast-Aufteilung | 2-1 |
| Zentralballastblock "A" | 2-2 |
| Zentralballastblock "B" | 2-3 |

| | |
|---|------------|
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|---|------------|

| | |
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| Eckkräfte in Betrieb und außer Betrieb | 2-5 |
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| | |
|--|-------------|
| Eckkräfte ohne Klettereinrichtung | 2-10 |
|--|-------------|

| | |
|--|------|
| Eckkräfte in Betrieb und außer Betrieb | 2-11 |
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Ausführung: schienenfahrbar, stationär mit Stützspindeln auf Fundamentplatten und stationär mit Stützspindeln auf Abstützplatten auf 91 EC-Fundamentkreuz 4,6 m

| | |
|---|------|
| Erläuterung zu den Eckkrafttabellen | 2-16 |
| Zentralballast-Aufteilung | 2-17 |
| Fundamentplatte "A3" | 2-18 |
| Zentralballastblock "B2" | 2-19 |
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| | |
|---|-------------|
| Eckkräfte mit Klettereinrichtung (6,44m) | 2-21 |
|---|-------------|

| | |
|--|------|
| Eckkräfte in Betrieb und außer Betrieb | 2-22 |
|--|------|

| | |
|--|-------------|
| Eckkräfte ohne Klettereinrichtung | 2-27 |
|--|-------------|

| | |
|--|------|
| Eckkräfte in Betrieb und außer Betrieb | 2-28 |
|--|------|

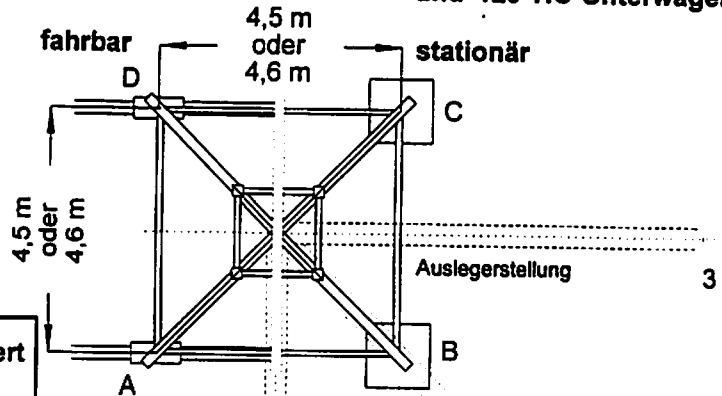
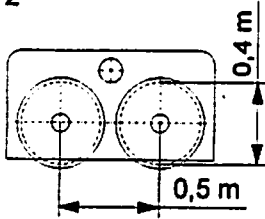
Ausführung: **schienenfahrbar, stationär mit Stützspindeln auf Fundamentplatten
und stationär mit Stützspindeln auf Abstützplatten
auf 91 EC-Fundamentkreuz 3,8 m**

| | |
|--|-------------|
| Erläuterung zu den Eckkrafttabellen | 2-33 |
| Zentralballast-Aufteilung | 2-34 |
| Fundamentplatte "A3" | 2-35 |
| Zentralballastblock "B2" | 2-36 |
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| Eckkräfte in Betrieb und außer Betrieb | 2-39 |
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| Fundamentbelastung mit Klettereinrichtung (6,44m) | 2-50 |
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| | |
| Beispiel zur Fundamentberechnung | 2-62 |
| | |
| Gegenballast | |
| Anzahl der Gegenballastblöcke | 2-68 |
| Gegenballastblock "A" | 2-69 |
| Gegenballastblock "B" | 2-70 |

Erläuterung zu den nachfolgenden Eckkrafttabellen:

112 EC-B
auf 120 HC - Turm
und 120 HC-Unterwagen

$\frac{\text{Eckkraft}}{2} = \text{Radkraft}$



Bei stationärer Ausführung verringert sich die in den Eckkrafttabellen angegebene Hakenhöhe um 0,5 m



Wird der Unterwagen mit Ankerschuhen (stationär auf Betonplatte) aufgestellt, muß der Zentralballast um 2 B - Blöcke erhöht werden.

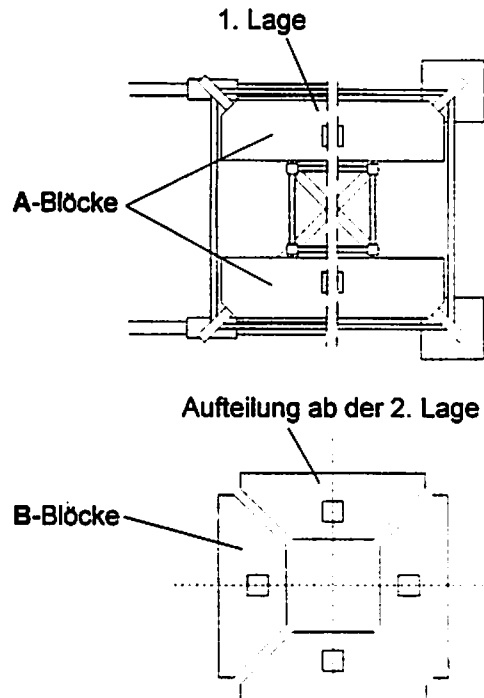
Zentralballast-Aufteilung:



- Erforderlicher Zentralballast, entsprechend der Hakenhöhe und Ausladung, auflegen! Eckkrafttabellen
- Ballastblöcke in jeder Lage gleichmäßig gegenüberlegend verteilen!

Gewicht: A-Block 5,134 t
B-Block 2,906 t

| Zentralballast | Anzahl der Ballastblöcke |
|----------------|--------------------------|
| 21,89 t | 2 x A und 4 x B-Blöcke |
| 27,70 t | 2 x A und 6 x B-Blöcke |
| 33,52 t | 2 x A und 8 x B-Blöcke |
| 39,32 t | 2 x A und 10 x B-Blöcke |
| 45,14 t | 2 x A und 12 x B-Blöcke |
| 50,95 t | 2 x A und 14 x B-Blöcke |
| 56,76 t | 2 x A und 16 x B-Blöcke |
| 62,58 t | 2 x A und 18 x B-Blöcke |
| 68,39 t | 2 x A und 20 x B-Blöcke |
| 74,20 t | 2 x A und 22 x B-Blöcke |
| 80,01 t | 2 x A und 24 x B-Blöcke |
| 85,82 t | 2 x A und 26 x B-Blöcke |



Jede Arbeitsweise unterlassen, welche die Standsicherheit des Kranes beeinträchtigt.
Während des Beschleunigungsvorganges beim Kranfahren (Anfahren bzw. Bremsen) ist das Lastheben bzw. Lastsenken nicht zulässig!

Diese Einschränkung gilt für
die höchste Aufbaustufe des Kranes] → 6,85 m Grundturmstück, 14 Turmstücke
→ 10,00 m Grundturmstück, 13 Turmstücke

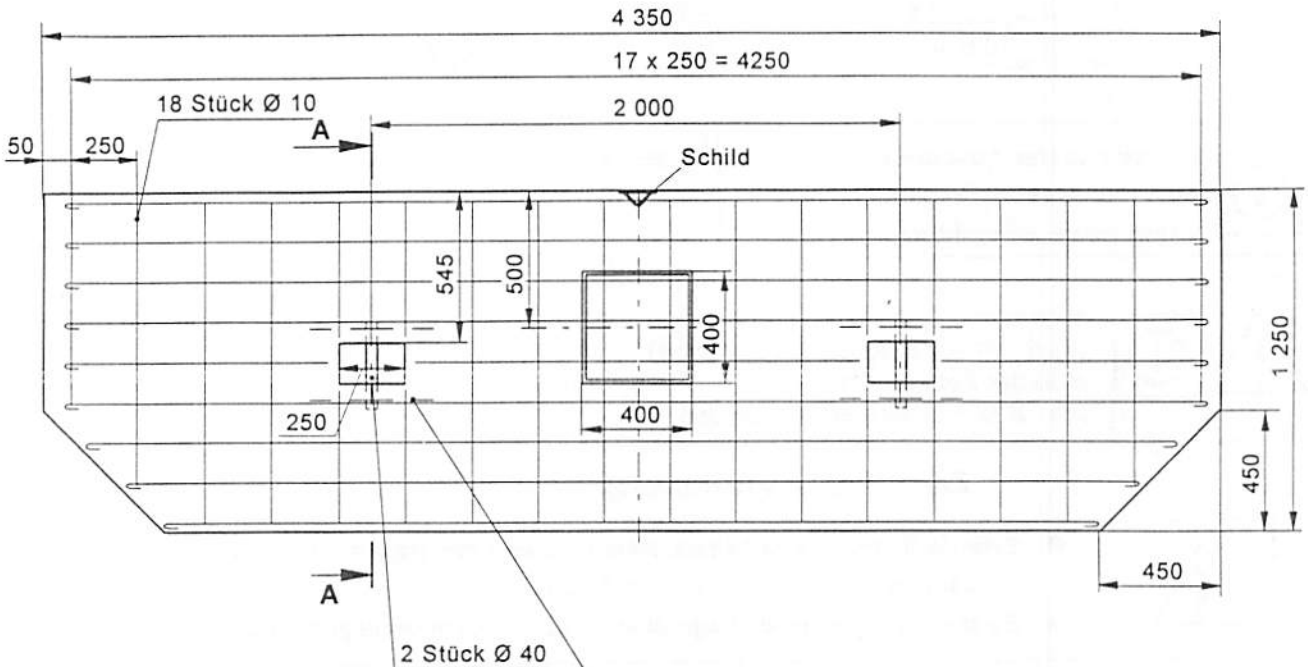
Zentralballastblock "A"
Gewicht: 5 134 kg

C 026.001 - 318.411

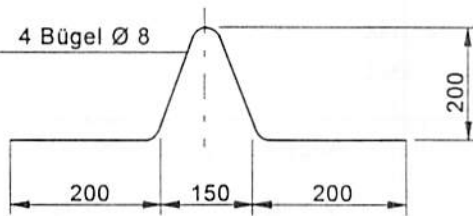
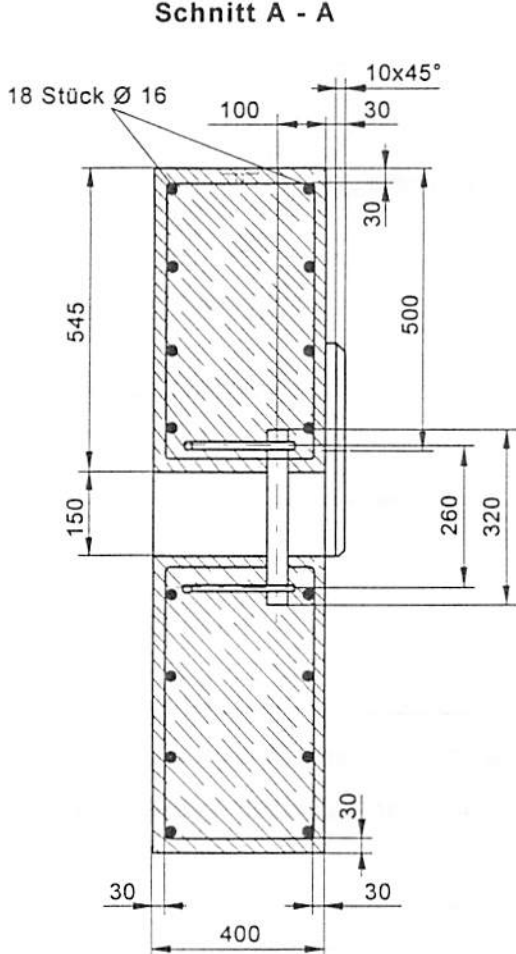
Beton B 25
 Baustahl BSt 420 / 550

alle Maße in mm

$\gamma = 2,45 \text{ t/m}^3$



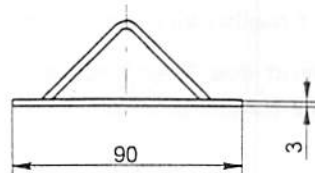
Schnitt A - A



Schild

C 026.001 - 318.411/110
 9547 287 01
 (kann bei LBC bestellt
 werden)

| | |
|---------------------|----|
| C 026.001 - 318.411 | 50 |
| 9526 468 01 | |
| 5,134 t | |



Zentralballastblock "B"

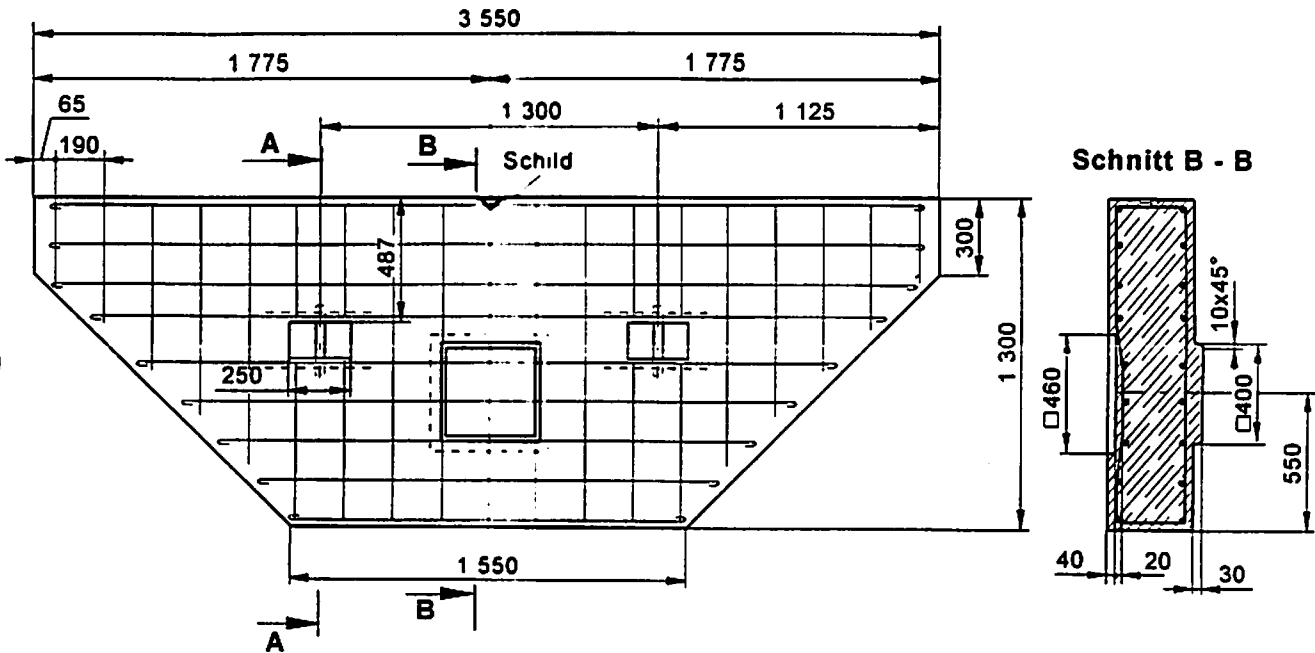
Gewicht: 2 906 kg

C 010.000 - 318.412

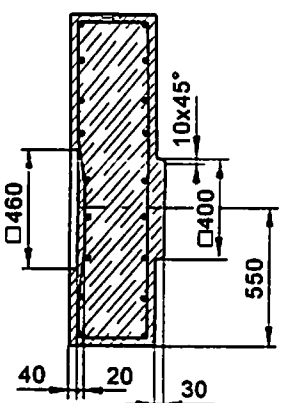
Beton B 25
Baustahl BSt 420 / 500

alle Maße in mm

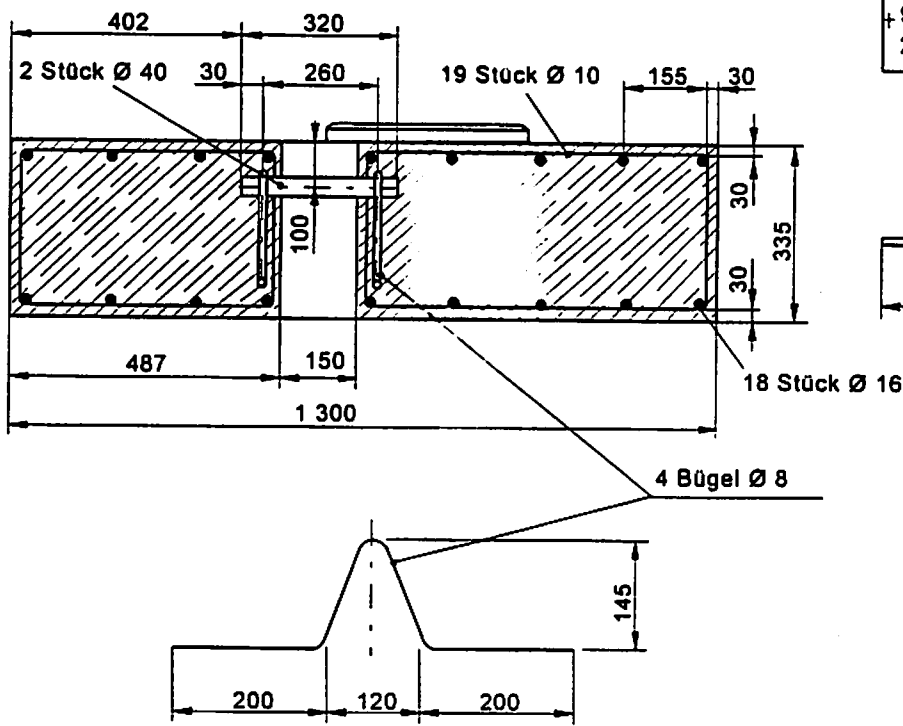
$\gamma = 2,4 \text{ t/m}^3$



Schnitt B - B

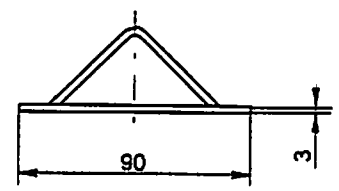


**Schnitt A - A
um 90° gedreht**



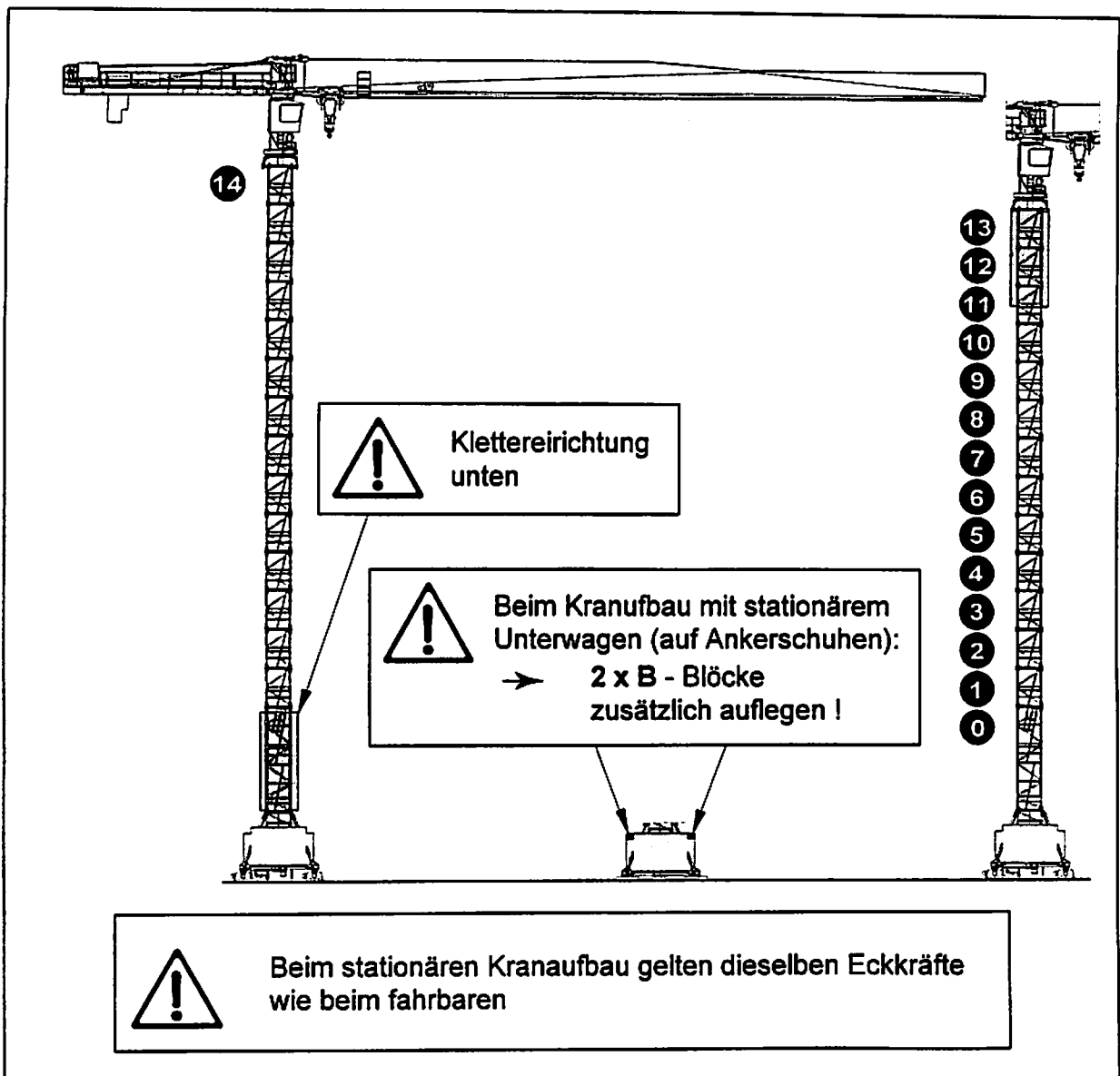
Schild
C 010.000 - 318.412/110
9519 078 01
(kann bei LBC bestellt werden)

| | | |
|---------------------|---|----|
| C 010.000 - 318.412 | + | 50 |
| 9508 119 01 | | |
| 2,906 t | | |



112 EC-B
120 HC - Turm
Turmstücke 2,5 m
Klettereinrichtung 6,44 m
Unterwagen 4,5 m oder 4,6 m Spur
Grundturmstück 6,85 m

Eckkräfte mit Klettereinrichtung



Eckkräfte (in kN) in Betrieb und außer Betrieb
Kran fahrbar, mit Klettereinrichtung 6,44m

112 EC-B
auf 120 HC-Turm und 120 HC - Unterwagen

Ausladung: 50,00m Spur: 4,5m oder 4,6m
Turmstück: 2,50m Grundturmstück: 6,85m Radstand: 4,5m oder 4,6m

| Zahl d. Turm-Stücke | Haken-höhe [m] | Zentral-ballast [to] | Eckdrücke in Betrieb [kN], MD=190 kNm | | | | | Eckdrücke außer Betrieb [kN], MD=0 | | | | |
|---------------------|----------------|----------------------|---------------------------------------|------------------|-----|-----|---------------|------------------------------------|------------------|-----|-----|---------------|
| | | | Ecke | Auslegerstellung | | | H.-Kraft [kN] | Ecke | Auslegerstellung | | | H.-Kraft [kN] |
| | | | | 1 | 2 | 3 | | | 1 | 2 | 3 | |
| 1 | 16,35 | 21,892 | A | 207 | 322 | 79 | 33 | A | 185 | 167 | 203 | 41 |
| | | | B | 390 | 349 | 336 | | B | 162 | 167 | 167 | |
| | | | C | 207 | 92 | 336 | | C | 185 | 203 | 167 | |
| | | | D | 24 | 65 | 79 | | D | 208 | 203 | 203 | |
| 2 | 18,85 | 21,892 | A | 210 | 328 | 76 | 34 | A | 188 | 190 | 186 | 47 |
| | | | B | 401 | 359 | 344 | | B | 184 | 190 | 190 | |
| | | | C | 210 | 91 | 344 | | C | 188 | 186 | 190 | |
| | | | D | 19 | 60 | 76 | | D | 181 | 186 | 186 | |
| 3 | 21,35 | 21,892 | A | 212 | 335 | 73 | 34 | A | 190 | 210 | 170 | 51 |
| | | | B | 411 | 370 | 352 | | B | 223 | 210 | 210 | |
| | | | C | 212 | 90 | 352 | | C | 190 | 170 | 210 | |
| | | | D | 13 | 55 | 73 | | D | 157 | 170 | 170 | |
| 4 | 23,85 | 21,892 | A | 215 | 341 | 69 | 35 | A | 193 | 230 | 156 | 55 |
| | | | B | 423 | 380 | 361 | | B | 251 | 230 | 230 | |
| | | | C | 215 | 89 | 361 | | C | 193 | 156 | 230 | |
| | | | D | 7 | 50 | 69 | | D | 135 | 156 | 156 | |
| 5 | 26,35 | 21,892 | A | 218 | 348 | 66 | 36 | A | 195 | 255 | 136 | 61 |
| | | | B | 434 | 391 | 369 | | B | 288 | 255 | 255 | |
| | | | C | 218 | 88 | 369 | | C | 195 | 136 | 255 | |
| | | | D | 1 | 44 | 66 | | D | 103 | 136 | 136 | |
| 6 | 28,85 | 21,892 | A | 215 | 354 | 62 | 36 | A | 198 | 276 | 120 | 64 |
| | | | B | 452 | 402 | 378 | | B | 318 | 276 | 276 | |
| | | | C | 215 | 86 | 378 | | C | 198 | 120 | 276 | |
| | | | D | 0 | 39 | 62 | | D | 78 | 120 | 120 | |
| 7 | 31,35 | 27,704 | A | 237 | 376 | 73 | 37 | A | 215 | 312 | 118 | 67 |
| | | | B | 473 | 428 | 402 | | B | 364 | 312 | 312 | |
| | | | C | 237 | 99 | 402 | | C | 215 | 118 | 312 | |
| | | | D | 2 | 47 | 73 | | D | 66 | 118 | 118 | |
| 8 | 33,85 | 33,516 | A | 254 | 397 | 83 | 38 | A | 232 | 350 | 115 | 70 |
| | | | B | 500 | 454 | 425 | | B | 412 | 350 | 350 | |
| | | | C | 254 | 112 | 425 | | C | 232 | 115 | 350 | |
| | | | D | 9 | 55 | 83 | | D | 53 | 115 | 115 | |
| 9 | 36,35 | 39,328 | A | 272 | 419 | 94 | 39 | A | 249 | 388 | 111 | 73 |
| | | | B | 527 | 480 | 449 | | B | 461 | 388 | 388 | |
| | | | C | 272 | 124 | 449 | | C | 249 | 111 | 388 | |
| | | | D | 16 | 63 | 94 | | D | 38 | 111 | 111 | |
| 10 | 38,85 | 45,140 | A | 289 | 440 | 104 | 39 | A | 267 | 426 | 107 | 77 |
| | | | B | 554 | 507 | 474 | | B | 511 | 426 | 426 | |
| | | | C | 289 | 137 | 474 | | C | 267 | 107 | 426 | |
| | | | D | 23 | 71 | 104 | | D | 22 | 107 | 107 | |
| 11 | 41,35 | 50,952 | A | 306 | 462 | 114 | 40 | A | 284 | 466 | 101 | 80 |
| | | | B | 582 | 534 | 498 | | B | 562 | 466 | 466 | |
| | | | C | 306 | 149 | 498 | | C | 284 | 101 | 466 | |
| | | | D | 29 | 78 | 114 | | D | 5 | 101 | 101 | |
| 12 | 43,85 | 56,764 | A | 323 | 484 | 123 | 41 | A | 287 | 507 | 95 | 83 |
| | | | B | 611 | 561 | 522 | | B | 628 | 507 | 507 | |
| | | | C | 323 | 162 | 522 | | C | 287 | 95 | 507 | |
| | | | D | 35 | 85 | 123 | | D | 0 | 95 | 95 | |
| 13 | 46,35 | 62,576 | A | 340 | 506 | 133 | 41 | A | 285 | 548 | 87 | 86 |
| | | | B | 639 | 588 | 547 | | B | 702 | 548 | 548 | |
| | | | C | 340 | 174 | 547 | | C | 285 | 87 | 548 | |
| | | | D | 41 | 92 | 133 | | D | 0 | 87 | 87 | |
| * 14 | 48,85 | 62,576 | A | 343 | 508 | 136 | 42 | A | 317 | 534 | 107 | 84 |
| | | | B | 640 | 590 | 549 | | B | 648 | 534 | 534 | |
| | | | C | 343 | 177 | 549 | | C | 317 | 107 | 534 | |
| | | | D | 45 | 95 | 136 | | D | 0 | 107 | 107 | |

* Bei diesem Aufbau muß die Klettereinrichtung nach der Montage abgelassen werden!

Eckkräfte (in kN) in Betrieb und außer Betrieb
Kran fahrbar, mit Klettereinrichtung 6,44m

112 EC-B
auf 120 HC-Turm und 120 HC - Unterwagen

Ausladung: 45,00m Spur: 4,5m oder 4,6m
Turmstück: 2,50m Grundturmstück: 6,85m Radstand: 4,5m oder 4,6m

| Zahl d. Turm-Stücke | Haken-höhe [m] | Zentralballast [to] | Eckdrücke in Betrieb [kN], MD=170 kNm | | | | Eckdrücke außer Betrieb [kN], MD=0 | | | | | |
|---------------------|----------------|---------------------|---------------------------------------|------------------|-----|-----|------------------------------------|------|------------------|-----|-----|---------------|
| | | | Ecke | Auslegerstellung | | | H.-Kraft [kN] | Ecke | Auslegerstellung | | | H.-Kraft [kN] |
| | | | | 1 | 2 | 3 | | | 1 | 2 | 3 | |
| 1 | 16,35 | 21,892 | A | 204 | 317 | 79 | 32 | A | 182 | 156 | 208 | 41 |
| | | | B | 383 | 343 | 330 | | B | 148 | 156 | 156 | |
| | | | C | 204 | 92 | 330 | | C | 182 | 208 | 156 | |
| | | | D | 26 | 65 | 79 | | D | 216 | 208 | 208 | |
| 2 | 18,85 | 21,892 | A | 207 | 323 | 76 | 33 | A | 185 | 178 | 191 | 47 |
| | | | B | 393 | 353 | 338 | | B | 179 | 178 | 178 | |
| | | | C | 207 | 91 | 338 | | C | 185 | 191 | 178 | |
| | | | D | 20 | 61 | 76 | | D | 190 | 191 | 191 | |
| 3 | 21,35 | 21,892 | A | 209 | 329 | 73 | 34 | A | 187 | 199 | 175 | 51 |
| | | | B | 404 | 363 | 346 | | B | 209 | 199 | 199 | |
| | | | C | 209 | 90 | 346 | | C | 187 | 175 | 199 | |
| | | | D | 15 | 56 | 73 | | D | 166 | 175 | 175 | |
| 4 | 23,85 | 21,892 | A | 212 | 335 | 69 | 34 | A | 190 | 219 | 161 | 55 |
| | | | B | 415 | 373 | 354 | | B | 237 | 219 | 219 | |
| | | | C | 212 | 89 | 354 | | C | 190 | 161 | 219 | |
| | | | D | 9 | 50 | 69 | | D | 143 | 161 | 161 | |
| 5 | 26,35 | 21,892 | A | 215 | 342 | 66 | 35 | A | 192 | 244 | 141 | 61 |
| | | | B | 427 | 384 | 363 | | B | 274 | 244 | 244 | |
| | | | C | 215 | 87 | 363 | | C | 192 | 141 | 244 | |
| | | | D | 2 | 45 | 66 | | D | 111 | 141 | 141 | |
| 6 | 28,85 | 27,704 | A | 232 | 363 | 77 | 36 | A | 210 | 279 | 140 | 64 |
| | | | B | 453 | 410 | 386 | | B | 318 | 279 | 279 | |
| | | | C | 232 | 100 | 386 | | C | 210 | 140 | 279 | |
| | | | D | 10 | 54 | 77 | | D | 101 | 140 | 140 | |
| 7 | 31,35 | 27,704 | A | 234 | 370 | 73 | 36 | A | 212 | 301 | 123 | 67 |
| | | | B | 465 | 421 | 395 | | B | 350 | 301 | 301 | |
| | | | C | 234 | 98 | 395 | | C | 212 | 123 | 301 | |
| | | | D | 3 | 48 | 73 | | D | 75 | 123 | 123 | |
| 8 | 33,85 | 33,516 | A | 251 | 392 | 84 | 37 | A | 229 | 338 | 120 | 70 |
| | | | B | 492 | 447 | 419 | | B | 397 | 338 | 338 | |
| | | | C | 251 | 111 | 419 | | C | 229 | 120 | 338 | |
| | | | D | 11 | 56 | 84 | | D | 61 | 120 | 120 | |
| 9 | 36,35 | 39,328 | A | 269 | 413 | 94 | 38 | A | 246 | 376 | 117 | 73 |
| | | | B | 519 | 473 | 443 | | B | 446 | 376 | 376 | |
| | | | C | 269 | 124 | 443 | | C | 246 | 117 | 376 | |
| | | | D | 18 | 64 | 94 | | D | 47 | 117 | 117 | |
| 10 | 38,85 | 45,140 | A | 286 | 435 | 104 | 39 | A | 264 | 415 | 112 | 77 |
| | | | B | 547 | 500 | 467 | | B | 486 | 415 | 415 | |
| | | | C | 286 | 136 | 467 | | C | 264 | 112 | 415 | |
| | | | D | 24 | 71 | 104 | | D | 31 | 112 | 112 | |
| 11 | 41,35 | 50,952 | A | 303 | 457 | 114 | 39 | A | 281 | 455 | 106 | 80 |
| | | | B | 575 | 527 | 492 | | B | 547 | 455 | 455 | |
| | | | C | 303 | 149 | 492 | | C | 281 | 106 | 455 | |
| | | | D | 31 | 79 | 114 | | D | 14 | 106 | 106 | |
| 12 | 43,85 | 62,576 | A | 334 | 493 | 138 | 40 | A | 312 | 510 | 114 | 83 |
| | | | B | 618 | 568 | 531 | | B | 615 | 510 | 510 | |
| | | | C | 334 | 176 | 531 | | C | 312 | 114 | 510 | |
| | | | D | 51 | 100 | 138 | | D | 10 | 114 | 114 | |
| 13 | 46,35 | 68,388 | A | 352 | 515 | 147 | 41 | A | 319 | 552 | 107 | 86 |
| | | | B | 648 | 596 | 556 | | B | 679 | 552 | 552 | |
| | | | C | 352 | 188 | 556 | | C | 319 | 107 | 552 | |
| | | | D | 57 | 107 | 147 | | D | 0 | 107 | 107 | |
| * 14 | 48,85 | 68,388 | A | 354 | 517 | 151 | 41 | A | 332 | 537 | 127 | 84 |
| | | | B | 647 | 598 | 557 | | B | 644 | 537 | 537 | |
| | | | C | 354 | 191 | 557 | | C | 332 | 127 | 537 | |
| | | | D | 61 | 110 | 151 | | D | 20 | 127 | 127 | |

* Bei diesem Aufbau muß die Klettereinrichtung nach der Montage abgelassen werden!

Eckkräfte (in kN) in Betrieb und außer Betrieb
Kran fahrbar, mit Klettereinrichtung 6,44m

112 EC-B
auf 120 HC-Turm und 120 HC - Unterwagen

Ausladung: 40,00m Spur: 4,5m oder 4,6m
Turmstück: 2,50m Grundturmstück: 6,85m Radstand: 4,5m oder 4,6m

| Zahl d. Turm-Stücke | Haken-höhe [m] | Zentral-ballast [to] | Eckdrücke in Betrieb [kN], MD=150 kNm | | | | | Eckdrücke außer Betrieb [kN], MD=0 | | | | |
|---------------------|----------------|----------------------|---------------------------------------|------------------|-----|-----|---------------|------------------------------------|------------------|-----|-----|---------------|
| | | | Ecke | Auslegerstellung | | | H.-Kraft [kN] | Ecke | Auslegerstellung | | | H.-Kraft [kN] |
| | | | | 1 | 2 | 3 | | | 1 | 2 | 3 | |
| 1 | 16,35 | 21,892 | A | 197 | 319 | 62 | 31 | A | 175 | 152 | 197 | 41 |
| | | | B | 388 | 343 | 331 | | B | 145 | 152 | 152 | |
| | | | C | 197 | 75 | 331 | | C | 175 | 197 | 152 | |
| | | | D | 6 | 50 | 62 | | D | 204 | 197 | 197 | |
| 2 | 18,85 | 21,892 | A | 199 | 325 | 59 | 32 | A | 177 | 174 | 180 | 47 |
| | | | B | 398 | 353 | 339 | | B | 177 | 174 | 174 | |
| | | | C | 199 | 74 | 339 | | C | 177 | 180 | 174 | |
| | | | D | 0 | 45 | 59 | | D | 178 | 180 | 180 | |
| 3 | 21,35 | 21,892 | A | 196 | 331 | 56 | 33 | A | 180 | 195 | 164 | 51 |
| | | | B | 414 | 363 | 347 | | B | 206 | 195 | 195 | |
| | | | C | 196 | 72 | 347 | | C | 180 | 164 | 195 | |
| | | | D | 0 | 40 | 56 | | D | 154 | 164 | 164 | |
| 4 | 23,85 | 21,892 | A | 193 | 338 | 53 | 33 | A | 182 | 215 | 150 | 55 |
| | | | B | 432 | 374 | 356 | | B | 234 | 215 | 215 | |
| | | | C | 193 | 71 | 356 | | C | 182 | 150 | 215 | |
| | | | D | 0 | 35 | 53 | | D | 131 | 150 | 150 | |
| 5 | 26,35 | 21,892 | A | 189 | 345 | 50 | 34 | A | 185 | 240 | 130 | 61 |
| | | | B | 450 | 384 | 364 | | B | 271 | 240 | 240 | |
| | | | C | 189 | 69 | 364 | | C | 185 | 130 | 240 | |
| | | | D | 0 | 30 | 50 | | D | 99 | 130 | 130 | |
| 6 | 28,85 | 27,704 | A | 214 | 366 | 60 | 35 | A | 202 | 275 | 129 | 64 |
| | | | B | 468 | 410 | 388 | | B | 315 | 275 | 275 | |
| | | | C | 214 | 82 | 388 | | C | 202 | 129 | 275 | |
| | | | D | 0 | 39 | 60 | | D | 89 | 129 | 129 | |
| 7 | 31,35 | 33,516 | A | 239 | 387 | 71 | 36 | A | 219 | 311 | 127 | 67 |
| | | | B | 487 | 436 | 411 | | B | 362 | 311 | 311 | |
| | | | C | 239 | 95 | 411 | | C | 219 | 127 | 311 | |
| | | | D | 0 | 47 | 71 | | D | 77 | 127 | 127 | |
| 8 | 33,85 | 39,328 | A | 258 | 409 | 82 | 36 | A | 236 | 349 | 124 | 70 |
| | | | B | 512 | 462 | 435 | | B | 409 | 349 | 349 | |
| | | | C | 258 | 108 | 435 | | C | 236 | 124 | 349 | |
| | | | D | 5 | 55 | 82 | | D | 64 | 124 | 124 | |
| 9 | 36,35 | 45,140 | A | 275 | 431 | 92 | 37 | A | 253 | 387 | 120 | 73 |
| | | | B | 539 | 488 | 459 | | B | 458 | 387 | 387 | |
| | | | C | 275 | 120 | 459 | | C | 253 | 120 | 387 | |
| | | | D | 12 | 63 | 92 | | D | 49 | 120 | 120 | |
| 10 | 38,85 | 50,952 | A | 293 | 452 | 102 | 38 | A | 270 | 426 | 115 | 77 |
| | | | B | 567 | 514 | 483 | | B | 508 | 426 | 426 | |
| | | | C | 293 | 133 | 483 | | C | 270 | 115 | 426 | |
| | | | D | 18 | 71 | 102 | | D | 33 | 115 | 115 | |
| 11 | 41,35 | 56,764 | A | 310 | 474 | 112 | 38 | A | 288 | 465 | 110 | 80 |
| | | | B | 595 | 541 | 508 | | B | 559 | 465 | 465 | |
| | | | C | 310 | 145 | 508 | | C | 288 | 110 | 465 | |
| | | | D | 25 | 79 | 112 | | D | 16 | 110 | 110 | |
| 12 | 43,85 | 62,576 | A | 327 | 497 | 121 | 39 | A | 302 | 506 | 104 | 83 |
| | | | B | 623 | 568 | 532 | | B | 615 | 506 | 506 | |
| | | | C | 327 | 157 | 532 | | C | 302 | 104 | 506 | |
| | | | D | 31 | 86 | 121 | | D | 0 | 104 | 104 | |
| 13 | 46,35 | 68,388 | A | 344 | 519 | 131 | 40 | A | 299 | 547 | 96 | 86 |
| | | | B | 651 | 595 | 557 | | B | 689 | 547 | 547 | |
| | | | C | 344 | 169 | 557 | | C | 299 | 96 | 547 | |
| | | | D | 37 | 93 | 131 | | D | 0 | 96 | 96 | |
| * 14 | 48,85 | 68,388 | A | 347 | 521 | 134 | 41 | A | 324 | 533 | 116 | 84 |
| | | | B | 652 | 597 | 559 | | B | 641 | 533 | 533 | |
| | | | C | 347 | 172 | 559 | | C | 324 | 116 | 533 | |
| | | | D | 41 | 96 | 134 | | D | 7 | 116 | 116 | |

* Bei diesem Aufbau muß die Klettereinrichtung nach der Montage abgelassen werden!

Eckkräfte (in kN) in Betrieb und außer Betrieb
Kran fahrbar, mit Klettereinrichtung 6,44m

112 EC-B
auf 120 HC-Turm und 120 HC - Unterwagen

Ausladung: 35,00m Spur: 4,5m oder 4,8m
Turmstück: 2,50m Grundturmstück: 6,85m Radstand: 4,5m oder 4,6m

| Zahl d. Turm-Stücke | Haken-höhe [m] | Zentral-ballast [to] | Eckdrücke in Betrieb [kN], MD=130 kNm | | | | Eckdrücke außer Betrieb [kN], MD=0 | | | | | |
|---------------------|----------------|----------------------|---------------------------------------|------------------|-----|-----|------------------------------------|------|------------------|-----|-----|---------------|
| | | | Ecke | Auslegerstellung | | | H.-Kraft [kN] | Ecke | Auslegerstellung | | | H.-Kraft [kN] |
| | | | | 1 | 2 | 3 | | | 1 | 2 | 3 | |
| 1 | 16,35 | 21,892 | A | 192 | 319 | 56 | 30 | A | 172 | 149 | 195 | 41 |
| | | | B | 391 | 344 | 332 | | B | 142 | 149 | 149 | |
| | | | C | 192 | 68 | 332 | | C | 172 | 195 | 149 | |
| | | | D | 0 | 44 | 56 | | D | 201 | 195 | 195 | |
| 2 | 18,85 | 21,892 | A | 189 | 326 | 53 | 31 | A | 174 | 172 | 177 | 47 |
| | | | B | 407 | 353 | 340 | | B | 174 | 172 | 172 | |
| | | | C | 189 | 67 | 340 | | C | 174 | 177 | 172 | |
| | | | D | 0 | 39 | 53 | | D | 175 | 177 | 177 | |
| 3 | 21,35 | 21,892 | A | 186 | 332 | 50 | 32 | A | 177 | 192 | 162 | 51 |
| | | | B | 424 | 364 | 348 | | B | 203 | 192 | 192 | |
| | | | C | 186 | 66 | 348 | | C | 177 | 162 | 192 | |
| | | | D | 0 | 35 | 50 | | D | 151 | 162 | 162 | |
| 4 | 23,85 | 21,892 | A | 183 | 339 | 47 | 33 | A | 180 | 212 | 147 | 55 |
| | | | B | 441 | 374 | 356 | | B | 231 | 212 | 212 | |
| | | | C | 183 | 64 | 356 | | C | 180 | 147 | 212 | |
| | | | D | 0 | 29 | 47 | | D | 128 | 147 | 147 | |
| 5 | 26,35 | 21,892 | A | 179 | 346 | 44 | 33 | A | 182 | 237 | 127 | 61 |
| | | | B | 459 | 384 | 365 | | B | 258 | 237 | 237 | |
| | | | C | 179 | 63 | 365 | | C | 182 | 127 | 237 | |
| | | | D | 0 | 24 | 44 | | D | 96 | 127 | 127 | |
| 6 | 28,85 | 27,704 | A | 204 | 367 | 54 | 34 | A | 199 | 272 | 126 | 64 |
| | | | B | 478 | 410 | 388 | | B | 313 | 272 | 272 | |
| | | | C | 204 | 76 | 388 | | C | 199 | 126 | 272 | |
| | | | D | 0 | 33 | 54 | | D | 86 | 126 | 126 | |
| 7 | 31,35 | 33,516 | A | 229 | 388 | 65 | 35 | A | 216 | 309 | 124 | 67 |
| | | | B | 497 | 436 | 412 | | B | 359 | 309 | 309 | |
| | | | C | 229 | 89 | 412 | | C | 216 | 124 | 309 | |
| | | | D | 0 | 41 | 65 | | D | 74 | 124 | 124 | |
| 8 | 33,85 | 39,328 | A | 253 | 410 | 75 | 35 | A | 233 | 346 | 121 | 70 |
| | | | B | 516 | 462 | 436 | | B | 408 | 346 | 346 | |
| | | | C | 253 | 101 | 436 | | C | 233 | 121 | 346 | |
| | | | D | 0 | 50 | 75 | | D | 61 | 121 | 121 | |
| 9 | 36,35 | 45,140 | A | 273 | 432 | 86 | 36 | A | 251 | 384 | 117 | 73 |
| | | | B | 541 | 488 | 460 | | B | 455 | 384 | 384 | |
| | | | C | 273 | 114 | 460 | | C | 251 | 117 | 384 | |
| | | | D | 4 | 58 | 86 | | D | 46 | 117 | 117 | |
| 10 | 38,85 | 50,952 | A | 290 | 454 | 96 | 37 | A | 268 | 423 | 113 | 77 |
| | | | B | 569 | 514 | 484 | | B | 505 | 423 | 423 | |
| | | | C | 290 | 126 | 484 | | C | 268 | 113 | 423 | |
| | | | D | 11 | 66 | 96 | | D | 31 | 113 | 113 | |
| 11 | 41,35 | 56,764 | A | 307 | 476 | 106 | 38 | A | 285 | 462 | 107 | 80 |
| | | | B | 597 | 541 | 508 | | B | 556 | 462 | 462 | |
| | | | C | 307 | 138 | 508 | | C | 285 | 107 | 462 | |
| | | | D | 17 | 73 | 106 | | D | 13 | 107 | 107 | |
| 12 | 43,85 | 62,576 | A | 324 | 498 | 115 | 38 | A | 297 | 503 | 101 | 83 |
| | | | B | 625 | 568 | 533 | | B | 614 | 503 | 503 | |
| | | | C | 324 | 150 | 533 | | C | 297 | 101 | 503 | |
| | | | D | 23 | 80 | 115 | | D | 0 | 101 | 101 | |
| 13 | 46,35 | 68,388 | A | 341 | 520 | 125 | 39 | A | 294 | 545 | 94 | 86 |
| | | | B | 653 | 595 | 558 | | B | 689 | 545 | 545 | |
| | | | C | 341 | 162 | 558 | | C | 294 | 94 | 545 | |
| | | | D | 29 | 88 | 125 | | D | 0 | 94 | 94 | |
| * 14 | 48,85 | 68,388 | A | 344 | 522 | 128 | 40 | A | 322 | 530 | 113 | 84 |
| | | | B | 654 | 597 | 560 | | B | 639 | 530 | 530 | |
| | | | C | 344 | 165 | 560 | | C | 322 | 113 | 530 | |
| | | | D | 33 | 91 | 128 | | D | 5 | 113 | 113 | |

* Bei diesem Aufbau muß die Klettereinrichtung nach der Montage abgelassen werden!

Eckkräfte (in kN) in Betrieb und außer Betrieb
Kran fahrbar, mit Klettereinrichtung 6,44m

112 EC-B
auf 120 HC-Turm und 120 HC - Unterwagen

Ausladung: 30,00m Spur: 4,5m oder 4,6m
Turmstück: 2,50m Grundturmstück: 6,85m Radstand: 4,5m oder 4,6m

| Zahl d. Turm-Stücke | Haken-höhe [m] | Zentral-ballast [to] | Eckdrücke in Betrieb [kN], MD=130 kNm | | | | | Eckdrücke außer Betrieb [kN], MD=0 | | | | |
|---------------------|----------------|----------------------|---------------------------------------|------------------|-----|-----|---------------|------------------------------------|------------------|-----|-----|---------------|
| | | | Ecke | Auslegerstellung | | | H.-Kraft [kN] | Ecke | Auslegerstellung | | | H.-Kraft [kN] |
| 1 | 16,35 | 21,892 | A | 186 | 311 | 54 | 30 | A | 166 | 141 | 192 | 41 |
| | | | B | 382 | 334 | 323 | | B | 133 | 141 | 141 | |
| | | | C | 186 | 66 | 323 | | C | 166 | 192 | 141 | |
| | | | D | 0 | 43 | 54 | | D | 200 | 192 | 192 | |
| 2 | 18,85 | 21,892 | A | 183 | 318 | 51 | 30 | A | 169 | 163 | 175 | 47 |
| | | | B | 398 | 344 | 331 | | B | 165 | 163 | 163 | |
| | | | C | 183 | 65 | 331 | | C | 169 | 175 | 163 | |
| | | | D | 0 | 38 | 51 | | D | 173 | 175 | 175 | |
| 3 | 21,35 | 21,892 | A | 180 | 324 | 48 | 31 | A | 172 | 184 | 159 | 51 |
| | | | B | 415 | 354 | 339 | | B | 194 | 184 | 184 | |
| | | | C | 180 | 63 | 339 | | C | 172 | 159 | 184 | |
| | | | D | 0 | 33 | 48 | | D | 150 | 159 | 159 | |
| 4 | 23,85 | 21,892 | A | 177 | 331 | 45 | 32 | A | 174 | 204 | 145 | 55 |
| | | | B | 432 | 364 | 348 | | B | 222 | 204 | 204 | |
| | | | C | 177 | 62 | 348 | | C | 174 | 145 | 204 | |
| | | | D | 0 | 28 | 45 | | D | 127 | 145 | 145 | |
| 5 | 26,35 | 27,704 | A | 202 | 352 | 56 | 33 | A | 191 | 243 | 139 | 61 |
| | | | B | 450 | 390 | 371 | | B | 273 | 243 | 243 | |
| | | | C | 202 | 75 | 371 | | C | 191 | 139 | 243 | |
| | | | D | 0 | 37 | 56 | | D | 109 | 139 | 139 | |
| 6 | 28,85 | 33,516 | A | 227 | 374 | 67 | 33 | A | 208 | 279 | 138 | 64 |
| | | | B | 468 | 415 | 394 | | B | 318 | 279 | 279 | |
| | | | C | 227 | 88 | 394 | | C | 208 | 138 | 279 | |
| | | | D | 0 | 46 | 67 | | D | 99 | 138 | 138 | |
| 7 | 31,35 | 33,516 | A | 223 | 381 | 63 | 34 | A | 211 | 301 | 122 | 67 |
| | | | B | 487 | 426 | 403 | | B | 349 | 301 | 301 | |
| | | | C | 223 | 86 | 403 | | C | 211 | 122 | 301 | |
| | | | D | 0 | 40 | 63 | | D | 73 | 122 | 122 | |
| 8 | 33,85 | 39,328 | A | 247 | 402 | 73 | 35 | A | 228 | 338 | 119 | 70 |
| | | | B | 507 | 452 | 427 | | B | 397 | 338 | 338 | |
| | | | C | 247 | 98 | 427 | | C | 228 | 119 | 338 | |
| | | | D | 0 | 49 | 73 | | D | 60 | 119 | 119 | |
| 9 | 36,35 | 45,140 | A | 267 | 424 | 84 | 35 | A | 245 | 376 | 115 | 73 |
| | | | B | 531 | 478 | 451 | | B | 446 | 376 | 376 | |
| | | | C | 267 | 111 | 451 | | C | 245 | 115 | 376 | |
| | | | D | 4 | 57 | 84 | | D | 45 | 115 | 115 | |
| 10 | 38,85 | 50,952 | A | 285 | 446 | 94 | 36 | A | 262 | 415 | 110 | 77 |
| | | | B | 559 | 504 | 475 | | B | 496 | 415 | 415 | |
| | | | C | 285 | 123 | 475 | | C | 262 | 110 | 415 | |
| | | | D | 10 | 65 | 94 | | D | 29 | 110 | 110 | |
| 11 | 41,35 | 56,764 | A | 302 | 468 | 104 | 37 | A | 280 | 454 | 105 | 80 |
| | | | B | 587 | 531 | 500 | | B | 547 | 454 | 454 | |
| | | | C | 302 | 135 | 500 | | C | 280 | 105 | 454 | |
| | | | D | 17 | 72 | 104 | | D | 12 | 105 | 105 | |
| 12 | 43,85 | 68,388 | A | 333 | 505 | 128 | 38 | A | 311 | 510 | 113 | 83 |
| | | | B | 629 | 572 | 539 | | B | 614 | 510 | 510 | |
| | | | C | 333 | 162 | 539 | | C | 311 | 113 | 510 | |
| | | | D | 37 | 94 | 128 | | D | 8 | 113 | 113 | |
| 13 | 46,35 | 74,200 | A | 350 | 528 | 137 | 38 | A | 316 | 551 | 106 | 86 |
| | | | B | 658 | 599 | 564 | | B | 681 | 551 | 551 | |
| | | | C | 350 | 173 | 564 | | C | 316 | 106 | 551 | |
| | | | D | 43 | 101 | 137 | | D | 0 | 106 | 106 | |
| * 14 | 48,85 | 74,200 | A | 353 | 529 | 141 | 39 | A | 331 | 537 | 125 | 84 |
| | | | B | 659 | 601 | 565 | | B | 644 | 537 | 537 | |
| | | | C | 353 | 177 | 565 | | C | 331 | 125 | 537 | |
| | | | D | 47 | 105 | 141 | | D | 18 | 125 | 125 | |

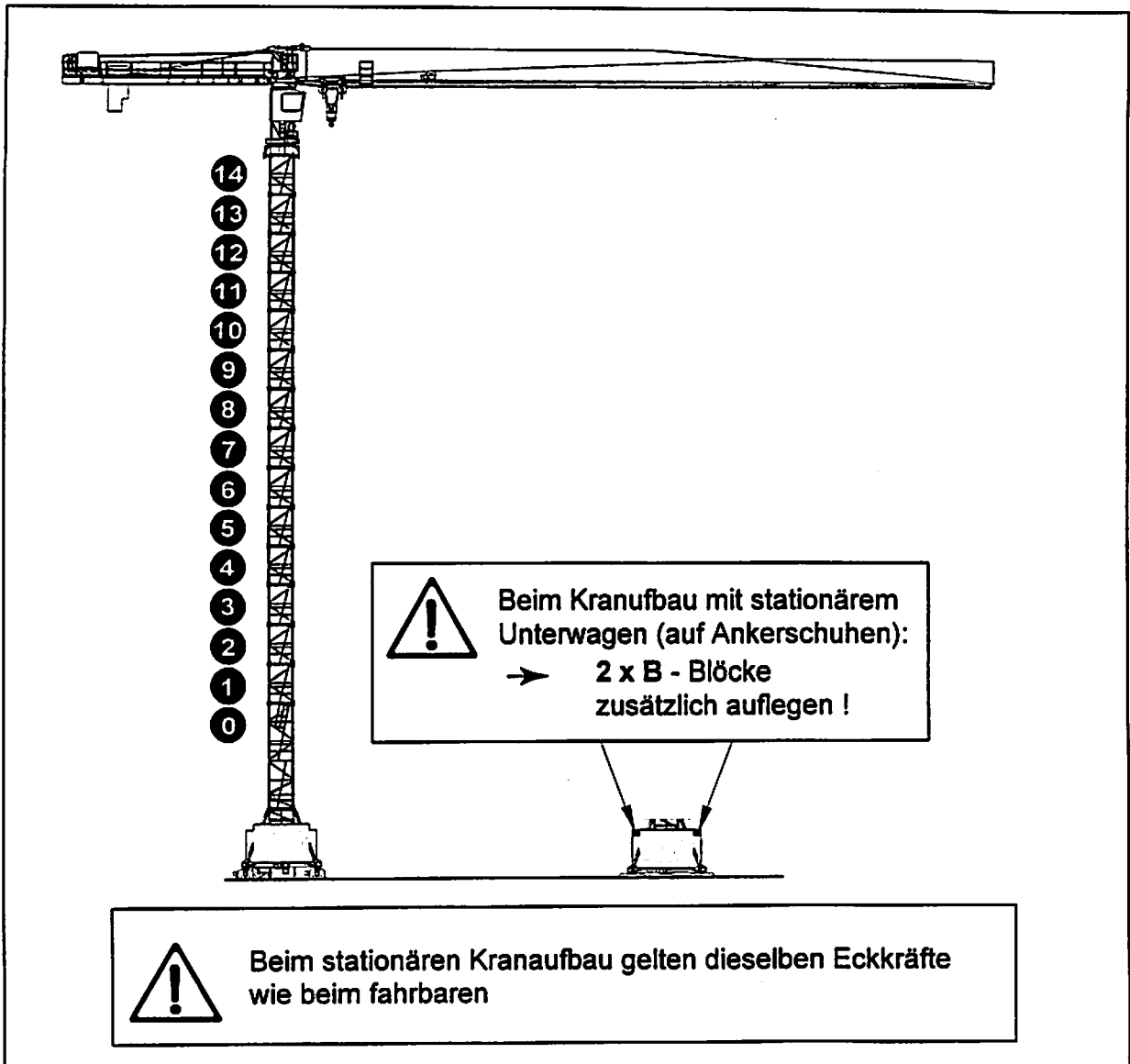
* Bei diesem Aufbau muß die Klettereinrichtung nach der Montage abgelassen werden!

112 EC-B
120 HC - Turm
Turmstücke 2,5 m
Unterwagen 4,5 m oder 4,6 m Spur
Grundturmstück 6,85 m

Eckkräfte

ohne Klettereinrichtung

 auch bei Montage und Demontage



Eckkräfte (in kN) in Betrieb und außer Betrieb
Kran fahrbar, ohne Klettereinrichtung

112 EC-B
auf 120 HC-Turm und 120 HC - Unterwagen

Ausladung: 50,00m
Turmstück: 2,50m

Grundturmstück: 6,85m

Spor: 4,5m oder 4,6m
Radstand: 4,5m oder 4,6m

| Zahl d. Turm-Stücke | Haken-höhe [m] | Zentral-ballast [to] | Eckdrücke in Betrieb [kN], MD=190 kNm | | | | | Eckdrücke außer Betrieb [kN], MD=0 | | | | |
|---------------------|----------------|----------------------|---------------------------------------|------------------|-----|-----|---------------|------------------------------------|------------------|-----|-----|---------------|
| | | | Ecke | Auslegerstellung | | | H.-Kraft [kN] | Ecke | Auslegerstellung | | | H.-Kraft [kN] |
| | | | | 1 | 2 | 3 | | | 1 | 2 | 3 | |
| 1 | 16,35 | 21,892 | A | 197 | 310 | 71 | 31 | A | 175 | 149 | 201 | 34 |
| | | | B | 376 | 336 | 323 | | B | 139 | 149 | 149 | |
| | | | C | 197 | 84 | 323 | | C | 175 | 201 | 149 | |
| | | | D | 18 | 58 | 71 | | D | 210 | 201 | 201 | |
| 2 | 18,85 | 21,892 | A | 200 | 316 | 69 | 31 | A | 177 | 169 | 186 | 40 |
| | | | B | 385 | 345 | 330 | | B | 168 | 169 | 169 | |
| | | | C | 200 | 83 | 330 | | C | 177 | 186 | 169 | |
| | | | D | 14 | 54 | 69 | | D | 187 | 186 | 186 | |
| 3 | 21,35 | 21,892 | A | 202 | 321 | 66 | 32 | A | 180 | 188 | 172 | 45 |
| | | | B | 395 | 355 | 338 | | B | 184 | 188 | 188 | |
| | | | C | 202 | 83 | 338 | | C | 180 | 172 | 188 | |
| | | | D | 9 | 50 | 66 | | D | 166 | 172 | 172 | |
| 4 | 23,85 | 21,892 | A | 205 | 327 | 64 | 33 | A | 183 | 206 | 160 | 48 |
| | | | B | 406 | 364 | 346 | | B | 219 | 206 | 206 | |
| | | | C | 205 | 82 | 346 | | C | 183 | 160 | 206 | |
| | | | D | 4 | 45 | 64 | | D | 146 | 160 | 160 | |
| 5 | 26,35 | 21,892 | A | 206 | 334 | 61 | 34 | A | 185 | 223 | 148 | 51 |
| | | | B | 418 | 374 | 354 | | B | 244 | 223 | 223 | |
| | | | C | 206 | 81 | 354 | | C | 185 | 148 | 223 | |
| | | | D | 0 | 40 | 61 | | D | 127 | 148 | 148 | |
| 6 | 28,85 | 27,704 | A | 224 | 354 | 72 | 34 | A | 202 | 256 | 149 | 54 |
| | | | B | 442 | 399 | 377 | | B | 284 | 256 | 256 | |
| | | | C | 224 | 95 | 377 | | C | 202 | 149 | 256 | |
| | | | D | 7 | 50 | 72 | | D | 120 | 149 | 149 | |
| 7 | 31,35 | 27,704 | A | 227 | 361 | 69 | 35 | A | 205 | 275 | 135 | 58 |
| | | | B | 453 | 410 | 385 | | B | 312 | 275 | 275 | |
| | | | C | 227 | 93 | 385 | | C | 205 | 135 | 275 | |
| | | | D | 1 | 44 | 69 | | D | 98 | 135 | 135 | |
| 8 | 33,85 | 27,704 | A | 225 | 367 | 65 | 36 | A | 208 | 295 | 120 | 61 |
| | | | B | 489 | 420 | 394 | | B | 340 | 295 | 295 | |
| | | | C | 225 | 92 | 394 | | C | 208 | 120 | 295 | |
| | | | D | 0 | 39 | 65 | | D | 75 | 120 | 120 | |
| 9 | 36,35 | 27,704 | A | 221 | 374 | 62 | 36 | A | 210 | 316 | 105 | 64 |
| | | | B | 488 | 431 | 403 | | B | 370 | 316 | 316 | |
| | | | C | 221 | 90 | 403 | | C | 210 | 105 | 316 | |
| | | | D | 0 | 33 | 62 | | D | 50 | 105 | 105 | |
| 10 | 38,85 | 33,516 | A | 245 | 395 | 72 | 37 | A | 227 | 352 | 103 | 67 |
| | | | B | 507 | 457 | 426 | | B | 416 | 352 | 352 | |
| | | | C | 245 | 103 | 426 | | C | 227 | 103 | 352 | |
| | | | D | 0 | 42 | 72 | | D | 38 | 103 | 103 | |
| 11 | 41,35 | 39,328 | A | 266 | 417 | 83 | 38 | A | 244 | 389 | 100 | 70 |
| | | | B | 530 | 483 | 450 | | B | 464 | 389 | 389 | |
| | | | C | 266 | 116 | 450 | | C | 244 | 100 | 389 | |
| | | | D | 3 | 50 | 83 | | D | 25 | 100 | 100 | |
| 12 | 43,85 | 45,140 | A | 284 | 438 | 93 | 39 | A | 261 | 427 | 96 | 73 |
| | | | B | 657 | 509 | 474 | | B | 612 | 427 | 427 | |
| | | | C | 284 | 129 | 474 | | C | 261 | 96 | 427 | |
| | | | D | 10 | 58 | 93 | | D | 10 | 96 | 96 | |
| 13 | 46,35 | 50,952 | A | 301 | 460 | 103 | 39 | A | 273 | 466 | 91 | 77 |
| | | | B | 584 | 536 | 498 | | B | 568 | 466 | 466 | |
| | | | C | 301 | 141 | 498 | | C | 273 | 91 | 466 | |
| | | | D | 17 | 65 | 103 | | D | 0 | 91 | 91 | |
| 14 | 48,85 | 56,764 | A | 318 | 482 | 113 | 40 | A | 273 | 506 | 86 | 80 |
| | | | B | 612 | 563 | 522 | | B | 636 | 506 | 506 | |
| | | | C | 318 | 154 | 522 | | C | 273 | 86 | 506 | |
| | | | D | 23 | 73 | 113 | | D | 0 | 86 | 86 | |

Eckkräfte (in kN) in Betrieb und außer Betrieb
Kran fahrbar, ohne Klettereinrichtung

112 EC-B
auf 120 HC-Turm und 120 HC - Unterwagen

Ausladung: 45,00m Spur: 4,5m oder 4,6m
Turmstück: 2,50m Grundturmstück: 6,85m Radstand: 4,5m oder 4,6m

| Zahl d. Turm-Stücke | Haken-höhe [m] | Zentralballast [to] | Eckdrücke in Betrieb [kN], MD=170 kNm | | | | H.-Kraft [kN] | Eckdrücke außer Betrieb [kN], MD=0 | | | | |
|---------------------|----------------|---------------------|---------------------------------------|------------------|-----|-----|---------------|------------------------------------|------------------|-----|-----|---------------|
| | | | Ecke | Auslegerstellung | | | | Ecke | Auslegerstellung | | | H.-Kraft [kN] |
| | | | | 1 | 2 | 3 | | | 1 | 2 | 3 | |
| 1 | 16,35 | 21,892 | A | 194 | 304 | 71 | 30 | A | 172 | 137 | 206 | 34 |
| | | | B | 368 | 329 | 317 | | B | 125 | 137 | 137 | |
| | | | C | 194 | 84 | 317 | | C | 172 | 206 | 137 | |
| | | | D | 19 | 58 | 71 | | D | 219 | 206 | 206 | |
| 2 | 18,85 | 21,892 | A | 196 | 310 | 69 | 31 | A | 174 | 158 | 191 | 40 |
| | | | B | 378 | 339 | 324 | | B | 153 | 158 | 158 | |
| | | | C | 196 | 83 | 324 | | C | 174 | 191 | 158 | |
| | | | D | 15 | 54 | 69 | | D | 196 | 191 | 191 | |
| 3 | 21,35 | 21,892 | A | 199 | 316 | 66 | 31 | A | 177 | 177 | 177 | 45 |
| | | | B | 368 | 348 | 332 | | B | 179 | 177 | 177 | |
| | | | C | 199 | 82 | 332 | | C | 177 | 177 | 177 | |
| | | | D | 10 | 50 | 66 | | D | 175 | 177 | 177 | |
| 4 | 23,85 | 21,892 | A | 202 | 322 | 64 | 32 | A | 180 | 194 | 165 | 48 |
| | | | B | 398 | 358 | 340 | | B | 204 | 194 | 194 | |
| | | | C | 202 | 82 | 340 | | C | 180 | 165 | 194 | |
| | | | D | 5 | 46 | 64 | | D | 155 | 165 | 165 | |
| 5 | 26,35 | 21,892 | A | 204 | 328 | 61 | 33 | A | 182 | 212 | 153 | 51 |
| | | | B | 409 | 368 | 348 | | B | 229 | 212 | 212 | |
| | | | C | 204 | 81 | 348 | | C | 182 | 153 | 212 | |
| | | | D | 0 | 41 | 61 | | D | 135 | 153 | 153 | |
| 6 | 28,85 | 27,704 | A | 221 | 349 | 72 | 34 | A | 199 | 244 | 154 | 54 |
| | | | B | 434 | 392 | 371 | | B | 270 | 244 | 244 | |
| | | | C | 221 | 94 | 371 | | C | 199 | 154 | 244 | |
| | | | D | 9 | 50 | 72 | | D | 129 | 154 | 154 | |
| 7 | 31,35 | 27,704 | A | 224 | 355 | 69 | 34 | A | 202 | 263 | 140 | 58 |
| | | | B | 445 | 403 | 379 | | B | 297 | 263 | 263 | |
| | | | C | 224 | 93 | 379 | | C | 202 | 140 | 263 | |
| | | | D | 3 | 45 | 69 | | D | 107 | 140 | 140 | |
| 8 | 33,85 | 27,704 | A | 223 | 362 | 66 | 35 | A | 204 | 283 | 125 | 61 |
| | | | B | 460 | 413 | 388 | | B | 326 | 283 | 283 | |
| | | | C | 223 | 91 | 388 | | C | 204 | 125 | 283 | |
| | | | D | 0 | 40 | 66 | | D | 83 | 125 | 125 | |
| 9 | 36,35 | 33,516 | A | 244 | 383 | 76 | 36 | A | 222 | 319 | 124 | 64 |
| | | | B | 483 | 439 | 411 | | B | 370 | 319 | 319 | |
| | | | C | 244 | 104 | 411 | | C | 222 | 124 | 319 | |
| | | | D | 4 | 48 | 76 | | D | 73 | 124 | 124 | |
| 10 | 38,85 | 39,328 | A | 261 | 404 | 87 | 36 | A | 239 | 355 | 122 | 67 |
| | | | B | 510 | 465 | 435 | | B | 416 | 355 | 355 | |
| | | | C | 261 | 117 | 435 | | C | 239 | 122 | 355 | |
| | | | D | 12 | 57 | 87 | | D | 61 | 122 | 122 | |
| 11 | 41,35 | 45,140 | A | 278 | 426 | 98 | 37 | A | 256 | 392 | 119 | 70 |
| | | | B | 537 | 491 | 458 | | B | 464 | 392 | 392 | |
| | | | C | 278 | 130 | 458 | | C | 256 | 119 | 392 | |
| | | | D | 19 | 65 | 98 | | D | 48 | 119 | 119 | |
| 12 | 43,85 | 50,952 | A | 295 | 447 | 108 | 38 | A | 273 | 430 | 116 | 73 |
| | | | B | 564 | 517 | 482 | | B | 512 | 430 | 430 | |
| | | | C | 295 | 143 | 482 | | C | 273 | 116 | 430 | |
| | | | D | 26 | 73 | 108 | | D | 34 | 116 | 116 | |
| 13 | 46,35 | 56,764 | A | 312 | 469 | 118 | 39 | A | 290 | 469 | 111 | 77 |
| | | | B | 592 | 544 | 506 | | B | 662 | 469 | 469 | |
| | | | C | 312 | 155 | 506 | | C | 290 | 111 | 469 | |
| | | | D | 33 | 81 | 118 | | D | 18 | 111 | 111 | |
| 14 | 48,85 | 62,576 | A | 329 | 491 | 128 | 39 | A | 307 | 509 | 106 | 80 |
| | | | B | 619 | 570 | 531 | | B | 614 | 509 | 509 | |
| | | | C | 329 | 168 | 531 | | C | 307 | 106 | 509 | |
| | | | D | 39 | 88 | 128 | | D | 1 | 106 | 106 | |

Eckkräfte (in kN) in Betrieb und außer Betrieb
Kran fahrbar, ohne Klettereinrichtung

112 EC-B
auf 120 HC-Turm und 120 HC - Unterwagen

Ausladung: 40,00m Spur: 4,5m oder 4,6m
Turmstück: 2,50m Grundturmstück: 6,85m Radstand: 4,5m oder 4,6m

| Zahl d. Turm-Stücke | Haken-höhe [m] | Zentral-ballast [to] | Eckdrücke in Betrieb [kN], MD=150 kNm | | | | | Eckdrücke außer Betrieb [kN], MD=0 | | | | |
|---------------------|----------------|----------------------|---------------------------------------|------------------|-----|-----|---------------|------------------------------------|------------------|-----|-----|---------------|
| | | | Ecke | Auslegerstellung | | | H.-Kraft [kN] | Ecke | Auslegerstellung | | | H.-Kraft [kN] |
| 1 | 16,35 | 21,892 | A | 186 | 306 | 55 | 29 | A | 164 | 133 | 195 | 34 |
| | | | B | 374 | 330 | 318 | | B | 122 | 133 | 133 | |
| | | | C | 186 | 66 | 318 | | C | 164 | 195 | 133 | |
| | | | D | 0 | 43 | 55 | | D | 207 | 195 | 195 | |
| 2 | 18,85 | 21,892 | A | 184 | 312 | 52 | 30 | A | 167 | 154 | 180 | 40 |
| | | | B | 388 | 339 | 326 | | B | 150 | 154 | 154 | |
| | | | C | 184 | 66 | 326 | | C | 167 | 180 | 154 | |
| | | | D | 0 | 39 | 52 | | D | 183 | 180 | 180 | |
| 3 | 21,35 | 21,892 | A | 182 | 318 | 50 | 30 | A | 169 | 173 | 166 | 45 |
| | | | B | 403 | 348 | 333 | | B | 177 | 173 | 173 | |
| | | | C | 182 | 65 | 333 | | C | 169 | 166 | 173 | |
| | | | D | 0 | 35 | 50 | | D | 162 | 166 | 166 | |
| 4 | 23,85 | 21,892 | A | 179 | 324 | 47 | 31 | A | 172 | 190 | 154 | 48 |
| | | | B | 416 | 358 | 341 | | B | 202 | 190 | 190 | |
| | | | C | 179 | 64 | 341 | | C | 172 | 154 | 190 | |
| | | | D | 0 | 30 | 47 | | D | 142 | 154 | 154 | |
| 5 | 26,35 | 21,892 | A | 176 | 330 | 44 | 32 | A | 175 | 207 | 142 | 51 |
| | | | B | 434 | 368 | 349 | | B | 226 | 207 | 207 | |
| | | | C | 176 | 63 | 349 | | C | 175 | 142 | 207 | |
| | | | D | 0 | 26 | 44 | | D | 123 | 142 | 142 | |
| 6 | 28,85 | 27,704 | A | 202 | 351 | 56 | 33 | A | 192 | 240 | 143 | 54 |
| | | | B | 451 | 392 | 372 | | B | 267 | 240 | 240 | |
| | | | C | 202 | 76 | 372 | | C | 192 | 143 | 240 | |
| | | | D | 0 | 35 | 56 | | D | 117 | 143 | 143 | |
| 7 | 31,35 | 27,704 | A | 199 | 358 | 53 | 33 | A | 194 | 259 | 129 | 58 |
| | | | B | 468 | 403 | 380 | | B | 294 | 259 | 259 | |
| | | | C | 199 | 75 | 380 | | C | 194 | 129 | 259 | |
| | | | D | 0 | 30 | 53 | | D | 94 | 129 | 129 | |
| 8 | 33,85 | 33,516 | A | 224 | 379 | 64 | 34 | A | 211 | 294 | 129 | 61 |
| | | | B | 486 | 428 | 404 | | B | 337 | 294 | 294 | |
| | | | C | 224 | 88 | 404 | | C | 211 | 129 | 294 | |
| | | | D | 0 | 39 | 64 | | D | 85 | 129 | 129 | |
| 9 | 36,35 | 39,328 | A | 249 | 400 | 74 | 35 | A | 229 | 329 | 128 | 64 |
| | | | B | 504 | 454 | 427 | | B | 382 | 329 | 329 | |
| | | | C | 249 | 101 | 427 | | C | 229 | 128 | 329 | |
| | | | D | 0 | 48 | 74 | | D | 75 | 128 | 128 | |
| 10 | 38,85 | 39,328 | A | 245 | 407 | 71 | 36 | A | 231 | 351 | 111 | 67 |
| | | | B | 523 | 465 | 436 | | B | 413 | 351 | 351 | |
| | | | C | 245 | 99 | 436 | | C | 231 | 111 | 351 | |
| | | | D | 0 | 42 | 71 | | D | 49 | 111 | 111 | |
| 11 | 41,35 | 45,140 | A | 269 | 429 | 81 | 36 | A | 248 | 388 | 109 | 70 |
| | | | B | 543 | 490 | 460 | | B | 461 | 388 | 388 | |
| | | | C | 269 | 112 | 460 | | C | 248 | 109 | 388 | |
| | | | D | 0 | 50 | 81 | | D | 36 | 109 | 109 | |
| 12 | 43,85 | 50,952 | A | 287 | 451 | 91 | 37 | A | 265 | 426 | 105 | 73 |
| | | | B | 569 | 517 | 484 | | B | 510 | 426 | 426 | |
| | | | C | 287 | 124 | 484 | | C | 265 | 105 | 426 | |
| | | | D | 6 | 58 | 91 | | D | 21 | 105 | 105 | |
| 13 | 46,35 | 56,764 | A | 305 | 473 | 101 | 38 | A | 283 | 465 | 100 | 77 |
| | | | B | 597 | 543 | 508 | | B | 560 | 465 | 465 | |
| | | | C | 305 | 137 | 508 | | C | 283 | 100 | 465 | |
| | | | D | 13 | 66 | 101 | | D | 5 | 100 | 100 | |
| 14 | 48,85 | 62,576 | A | 322 | 495 | 111 | 38 | A | 288 | 505 | 95 | 80 |
| | | | B | 625 | 570 | 532 | | B | 623 | 505 | 505 | |
| | | | C | 322 | 149 | 532 | | C | 288 | 95 | 505 | |
| | | | D | 19 | 74 | 111 | | D | 0 | 95 | 95 | |

Eckkräfte (in kN) in Betrieb und außer Betrieb
Kran fahrbar, ohne Klettereinrichtung

112 EC-B
auf 120 HC-Turm und 120 HC - Unterwagen

Ausladung: 35,00m
Turmstück: 2,50m

Grundturmstück: 6,85m

Spur: 4,5m oder 4,6m
Radstand: 4,5m oder 4,6m

| Zahl d. Turm-Stücke | Haken-höhe [m] | Zentral-ballast [to] | Eckdrücke in Betrieb [kN], MD=130 kNm | | | | H.-Kraft [kN] | Eckdrücke außer Betrieb [kN], MD=0 | | | | |
|---------------------|----------------|----------------------|---------------------------------------|------------------|-----|-----|---------------|------------------------------------|------------------|-----|-----|----------|
| | | | Ecke | Auslegerstellung | | | | Ecke | Auslegerstellung | | | H.-Kraft |
| | | | | 1 | 2 | 3 | | | 1 | 2 | 3 | |
| 1 | 16,35 | 27,704 | A | 198 | 321 | 63 | 28 | A | 176 | 145 | 207 | 34 |
| | | | B | 390 | 345 | 333 | | B | 133 | 145 | 145 | |
| | | | C | 198 | 75 | 333 | | C | 176 | 207 | 145 | |
| | | | D | 7 | 51 | 63 | | D | 219 | 207 | 207 | |
| 2 | 18,85 | 21,892 | A | 174 | 313 | 46 | 29 | A | 164 | 151 | 177 | 40 |
| | | | B | 397 | 339 | 326 | | B | 148 | 151 | 151 | |
| | | | C | 174 | 59 | 326 | | C | 164 | 177 | 151 | |
| | | | D | 0 | 33 | 46 | | D | 181 | 177 | 177 | |
| 3 | 21,35 | 21,892 | A | 172 | 319 | 44 | 30 | A | 167 | 170 | 164 | 45 |
| | | | B | 412 | 349 | 334 | | B | 174 | 170 | 170 | |
| | | | C | 172 | 59 | 334 | | C | 167 | 164 | 170 | |
| | | | D | 0 | 29 | 44 | | D | 160 | 164 | 164 | |
| 4 | 23,85 | 21,892 | A | 169 | 325 | 41 | 30 | A | 169 | 187 | 151 | 48 |
| | | | B | 427 | 358 | 342 | | B | 199 | 187 | 187 | |
| | | | C | 169 | 58 | 342 | | C | 169 | 151 | 187 | |
| | | | D | 0 | 25 | 41 | | D | 140 | 151 | 151 | |
| 5 | 26,35 | 21,892 | A | 166 | 332 | 38 | 31 | A | 172 | 205 | 139 | 51 |
| | | | B | 443 | 368 | 350 | | B | 223 | 205 | 205 | |
| | | | C | 166 | 56 | 350 | | C | 172 | 139 | 205 | |
| | | | D | 0 | 20 | 38 | | D | 120 | 139 | 139 | |
| 6 | 28,85 | 27,704 | A | 192 | 352 | 50 | 32 | A | 189 | 237 | 141 | 54 |
| | | | B | 460 | 393 | 372 | | B | 254 | 237 | 237 | |
| | | | C | 192 | 70 | 372 | | C | 189 | 141 | 237 | |
| | | | D | 0 | 30 | 50 | | D | 114 | 141 | 141 | |
| 7 | 31,35 | 27,704 | A | 189 | 359 | 46 | 33 | A | 192 | 256 | 127 | 58 |
| | | | B | 477 | 403 | 381 | | B | 281 | 256 | 256 | |
| | | | C | 189 | 68 | 381 | | C | 192 | 127 | 256 | |
| | | | D | 0 | 24 | 46 | | D | 92 | 127 | 127 | |
| 8 | 33,85 | 33,516 | A | 214 | 380 | 57 | 33 | A | 209 | 291 | 126 | 61 |
| | | | B | 495 | 428 | 404 | | B | 335 | 291 | 291 | |
| | | | C | 214 | 81 | 404 | | C | 209 | 126 | 291 | |
| | | | D | 0 | 34 | 57 | | D | 83 | 126 | 126 | |
| 9 | 36,35 | 39,328 | A | 239 | 401 | 68 | 34 | A | 226 | 326 | 125 | 64 |
| | | | B | 514 | 454 | 427 | | B | 379 | 326 | 326 | |
| | | | C | 239 | 94 | 427 | | C | 226 | 125 | 326 | |
| | | | D | 0 | 42 | 68 | | D | 72 | 125 | 125 | |
| 10 | 38,85 | 45,140 | A | 264 | 423 | 79 | 35 | A | 243 | 363 | 123 | 67 |
| | | | B | 533 | 479 | 451 | | B | 425 | 363 | 363 | |
| | | | C | 264 | 107 | 451 | | C | 243 | 123 | 363 | |
| | | | D | 0 | 51 | 79 | | D | 61 | 123 | 123 | |
| 11 | 41,35 | 50,952 | A | 282 | 445 | 89 | 35 | A | 260 | 400 | 120 | 70 |
| | | | B | 558 | 505 | 475 | | B | 472 | 400 | 400 | |
| | | | C | 282 | 120 | 475 | | C | 260 | 120 | 400 | |
| | | | D | 6 | 59 | 89 | | D | 48 | 120 | 120 | |
| 12 | 43,85 | 56,764 | A | 299 | 466 | 100 | 36 | A | 277 | 438 | 117 | 73 |
| | | | B | 586 | 531 | 499 | | B | 521 | 438 | 438 | |
| | | | C | 299 | 132 | 499 | | C | 277 | 117 | 438 | |
| | | | D | 13 | 67 | 100 | | D | 33 | 117 | 117 | |
| 13 | 46,35 | 62,576 | A | 316 | 488 | 110 | 37 | A | 294 | 477 | 112 | 77 |
| | | | B | 613 | 558 | 523 | | B | 571 | 477 | 477 | |
| | | | C | 316 | 144 | 523 | | C | 294 | 112 | 477 | |
| | | | D | 19 | 75 | 110 | | D | 17 | 112 | 112 | |
| 14 | 48,85 | 68,388 | A | 334 | 510 | 120 | 38 | A | 311 | 516 | 106 | 80 |
| | | | B | 641 | 584 | 547 | | B | 623 | 516 | 516 | |
| | | | C | 334 | 157 | 547 | | C | 311 | 106 | 516 | |
| | | | D | 26 | 83 | 120 | | D | 0 | 106 | 106 | |

Eckkräfte (in kN) in Betrieb und außer Betrieb
Kran fahrbar, ohne Klettereinrichtung

112 EC-B
auf 120 HC-Turm und 120 HC - Unterwagen

Ausladung: 30,00m
Turmstück: 2,50m

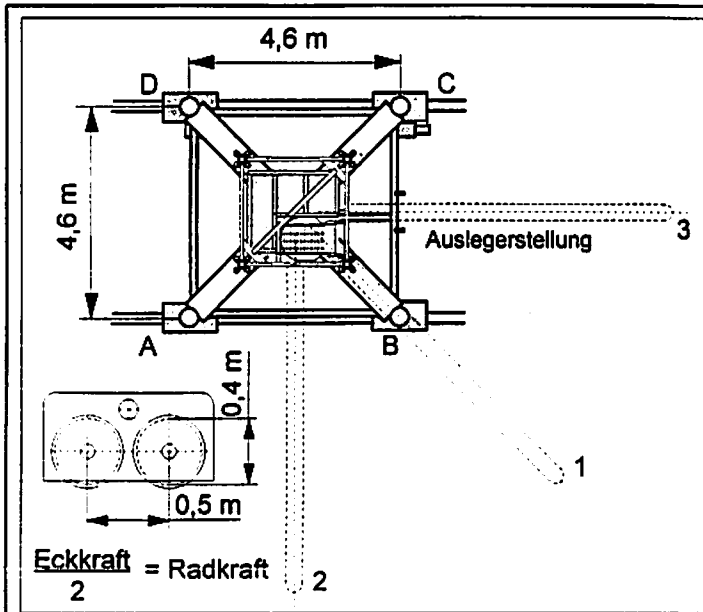
Grundturmstück: 6,85m

Spur: 4,5m oder 4,6m
Radstand: 4,5m oder 4,6m

| Zahl d. Turm-Stücke | Haken-höhe [m] | Zentral-ballast [to] | Eckdrücke in Betrieb [kN], MD=130 kNm | | | | | Eckdrücke außer Betrieb [kN], MD=0 | | | | |
|---------------------|----------------|----------------------|---------------------------------------|------------------|-----|-----|---------------|------------------------------------|------------------|-----|-----|---------------|
| | | | Ecke | Auslegerstellung | | | H.-Kraft [kN] | Ecke | Auslegerstellung | | | H.-Kraft [kN] |
| | | | | 1 | 2 | 3 | | | 1 | 2 | 3 | |
| 1 | 16,35 | 27,704 | A | 193 | 313 | 61 | 27 | A | 171 | 137 | 205 | 34 |
| | | | B | 380 | 336 | 325 | | B | 124 | 137 | 137 | |
| | | | C | 193 | 72 | 325 | | C | 171 | 205 | 137 | |
| | | | D | 6 | 50 | 61 | | D | 217 | 205 | 205 | |
| 2 | 18,85 | 21,892 | A | 168 | 305 | 44 | 28 | A | 159 | 143 | 175 | 40 |
| | | | B | 388 | 330 | 317 | | B | 138 | 143 | 143 | |
| | | | C | 168 | 57 | 317 | | C | 159 | 175 | 143 | |
| | | | D | 0 | 32 | 44 | | D | 179 | 175 | 175 | |
| 3 | 21,35 | 21,892 | A | 165 | 311 | 42 | 29 | A | 161 | 162 | 161 | 45 |
| | | | B | 403 | 339 | 325 | | B | 164 | 162 | 162 | |
| | | | C | 165 | 56 | 325 | | C | 161 | 161 | 162 | |
| | | | D | 0 | 28 | 42 | | D | 158 | 161 | 161 | |
| 4 | 23,85 | 21,892 | A | 163 | 317 | 39 | 30 | A | 164 | 179 | 149 | 48 |
| | | | B | 418 | 349 | 333 | | B | 189 | 179 | 179 | |
| | | | C | 163 | 55 | 333 | | C | 164 | 149 | 179 | |
| | | | D | 0 | 23 | 39 | | D | 138 | 149 | 149 | |
| 5 | 26,35 | 21,892 | A | 160 | 324 | 36 | 30 | A | 167 | 197 | 136 | 51 |
| | | | B | 434 | 358 | 341 | | B | 214 | 197 | 197 | |
| | | | C | 160 | 53 | 341 | | C | 167 | 136 | 197 | |
| | | | D | 0 | 19 | 36 | | D | 119 | 136 | 136 | |
| 6 | 28,85 | 27,704 | A | 186 | 345 | 48 | 31 | A | 184 | 229 | 138 | 54 |
| | | | B | 451 | 383 | 364 | | B | 255 | 229 | 229 | |
| | | | C | 186 | 67 | 364 | | C | 184 | 138 | 229 | |
| | | | D | 0 | 28 | 48 | | D | 113 | 138 | 138 | |
| 7 | 31,35 | 33,516 | A | 212 | 366 | 59 | 32 | A | 201 | 263 | 139 | 58 |
| | | | B | 468 | 408 | 387 | | B | 297 | 263 | 263 | |
| | | | C | 212 | 80 | 387 | | C | 201 | 139 | 263 | |
| | | | D | 0 | 38 | 59 | | D | 105 | 139 | 139 | |
| 8 | 33,85 | 33,516 | A | 208 | 373 | 55 | 32 | A | 203 | 283 | 124 | 61 |
| | | | B | 486 | 418 | 395 | | B | 325 | 283 | 283 | |
| | | | C | 208 | 78 | 395 | | C | 203 | 124 | 283 | |
| | | | D | 0 | 33 | 55 | | D | 81 | 124 | 124 | |
| 9 | 36,35 | 39,328 | A | 233 | 394 | 66 | 33 | A | 220 | 318 | 123 | 64 |
| | | | B | 504 | 444 | 419 | | B | 370 | 318 | 318 | |
| | | | C | 233 | 91 | 419 | | C | 220 | 123 | 318 | |
| | | | D | 0 | 41 | 66 | | D | 71 | 123 | 123 | |
| 10 | 38,85 | 45,140 | A | 258 | 416 | 77 | 34 | A | 238 | 354 | 121 | 67 |
| | | | B | 523 | 469 | 442 | | B | 416 | 354 | 354 | |
| | | | C | 258 | 104 | 442 | | C | 238 | 121 | 354 | |
| | | | D | 0 | 50 | 77 | | D | 59 | 121 | 121 | |
| 11 | 41,35 | 50,952 | A | 277 | 437 | 87 | 35 | A | 255 | 392 | 118 | 70 |
| | | | B | 548 | 495 | 466 | | B | 463 | 392 | 392 | |
| | | | C | 277 | 116 | 466 | | C | 255 | 118 | 392 | |
| | | | D | 5 | 58 | 87 | | D | 46 | 118 | 118 | |
| 12 | 43,85 | 56,764 | A | 294 | 459 | 98 | 35 | A | 272 | 430 | 114 | 73 |
| | | | B | 576 | 521 | 490 | | B | 512 | 430 | 430 | |
| | | | C | 294 | 129 | 490 | | C | 272 | 114 | 430 | |
| | | | D | 12 | 67 | 98 | | D | 32 | 114 | 114 | |
| 13 | 46,35 | 62,576 | A | 311 | 481 | 108 | 36 | A | 289 | 468 | 109 | 77 |
| | | | B | 603 | 548 | 514 | | B | 562 | 468 | 468 | |
| | | | C | 311 | 141 | 514 | | C | 289 | 109 | 468 | |
| | | | D | 19 | 75 | 108 | | D | 16 | 109 | 109 | |
| 14 | 48,85 | 68,388 | A | 328 | 503 | 118 | 37 | A | 305 | 508 | 104 | 80 |
| | | | B | 631 | 574 | 539 | | B | 615 | 508 | 508 | |
| | | | C | 328 | 153 | 539 | | C | 305 | 104 | 508 | |
| | | | D | 25 | 82 | 118 | | D | 0 | 104 | 104 | |

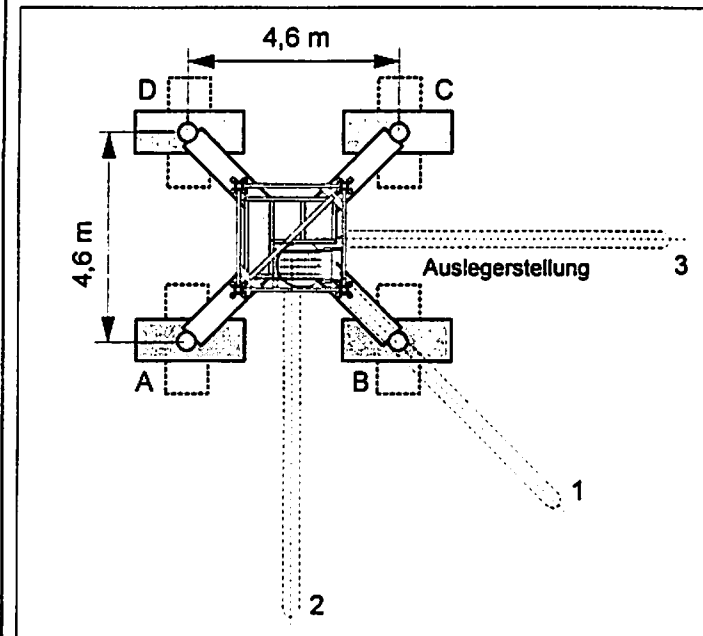
Erläuterung zu den nachfolgenden Eckkrafttabellen

**120 EC-B
auf 120 HC - Turm
und 91 EC-Fundamentkreuz**



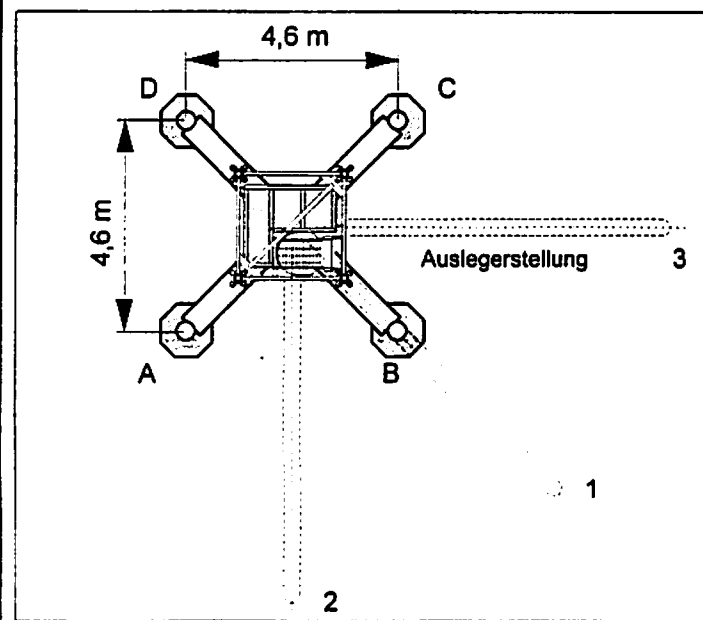
Ausführung 1:

schienenfahrbar auf
Fundamentkreuz



Ausführung 2:

stationär auf
Fundamentkreuz
mit Stützspindeln auf
Fundamentplatten A3

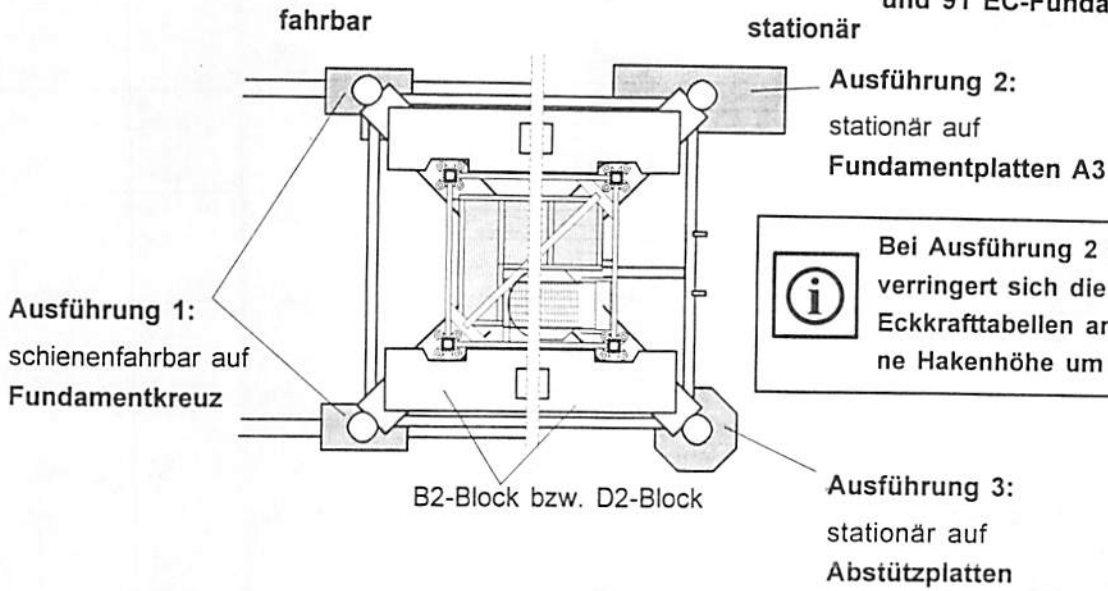


Ausführung 3:

stationär auf
Fundamentkreuz
mit Stützspindeln auf
Abstützplatten

Zentralballast-Aufteilung

112 EC-B
auf 120 HC - Turm
und 91 EC-Fundamentkreuz



Erforderlicher Zentralballast, entsprechend der Hakenhöhe und Ausladung, auflegen ! Eckkrafttabelle

- Gewicht: A3-Fundamentplatte 5,0 t
- B2-Block 5,0 t
- D2-Block 2,5 t

| Zentralballast | Anzahl der Ballastblöcke | |
|----------------|---------------------------|---------------------|
| | Ausführung 2: | Ausführung 1 und 3: |
| 20,0 t | 4 x A3 | 4 x B2 |
| 25,0 t | 4 x A3 + 2 x D2 | 4 x B2 + 2 x D2 |
| 30,0 t | 4 x A3 + 2 x B2 | 6 x B2 |
| 35,0 t | 4 x A3 + 2 x B2 + 2 x D2 | 6 x B2 + 2 x D2 |
| 40,0 t | 4 x A3 + 4 x B2 | 8 x B2 |
| 45,0 t | 4 x A3 + 4 x B2 + 2 x D2 | 8 x B2 + 2 x D2 |
| 50,0 t | 4 x A3 + 6 x B2 | 10 x B2 |
| 55,0 t | 4 x A3 + 6 x B2 + 2 x D2 | 10 x B2 + 2 x D2 |
| 60,0 t | 4 x A3 + 8 x B2 | 12 x B2 |
| 65,0 t | 4 x A3 + 8 x B2 + 2 x D2 | 12 x B2 + 2 x D2 |
| 70,0 t | 4 x A3 + 10 x B2 | 14 x B2 |
| 75,0 t | 4 x A3 + 10 x B2 + 2 x D2 | 14 x B2 + 2 x D2 |
| 80,0 t | 4 x A3 + 12 x B2 | 16 x B2 |
| 85,0 t | 4 x A3 + 12 x B2 + 2 x D2 | 16 x B2 + 2 x D2 |
| 90,0 t | 4 x A3 + 14 x B2 | 18 x B2 |

Jede Arbeitsweise unterlassen, welche die Standsicherheit des Kranes beeinträchtigt.
Während des Beschleunigungsvorganges beim Kranfahren (Anfahren bzw. Bremsen) ist das Lastheben bzw. Lastsenken nicht zulässig !

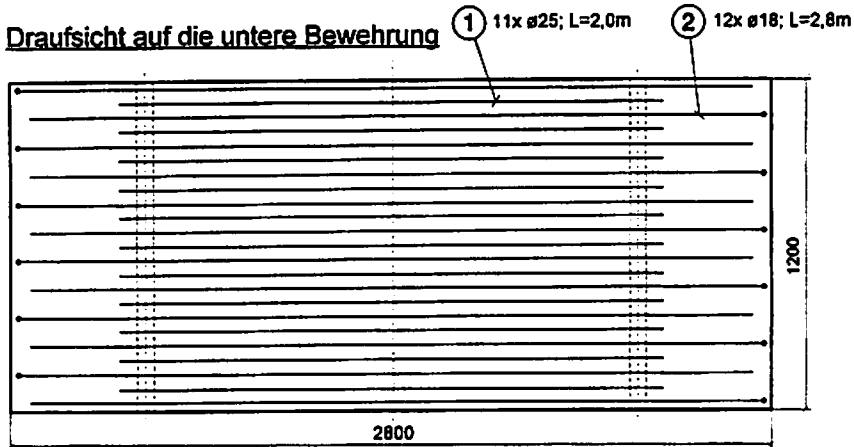
Diese Einschränkung gilt für

| | |
|-----|---------------------------------------|
|] → | 6,85 m Grundturmstück, 13 Turmstücke |
|] → | 10,00 m Grundturmstück, 12 Turmstücke |

Fundamentplatte "A3"

Zeichn.-Nr. C 153.001-318.413

Draufsicht auf die untere Bewehrung



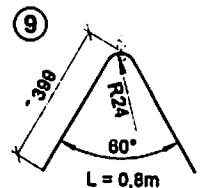
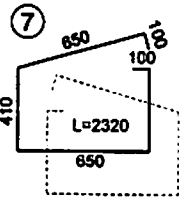
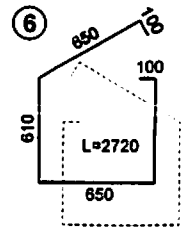
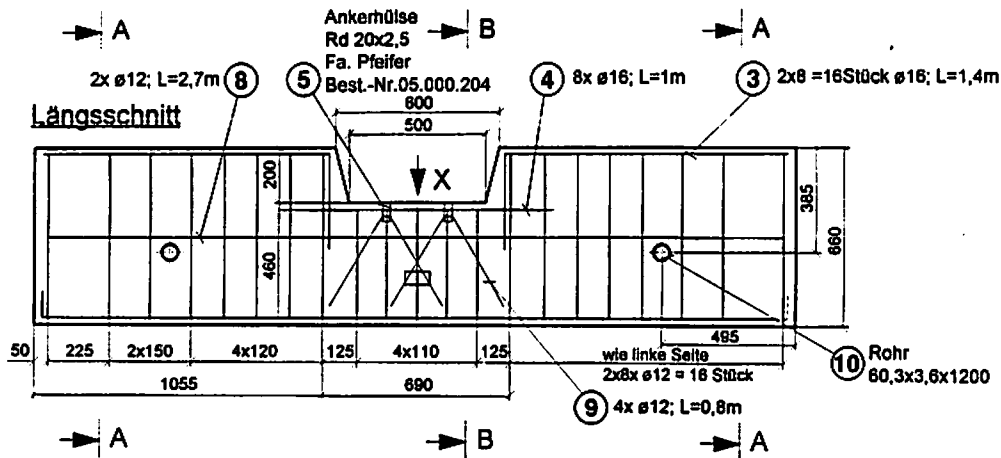
① $\frac{2000}{\varnothing 25; L = 2,0m}$

② $\frac{2700}{\varnothing 18; L = 2,8m}$

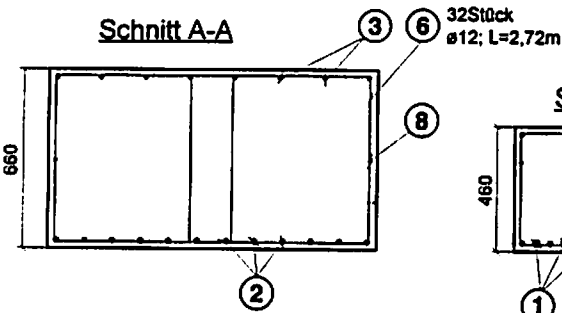
③ $\frac{1050}{\varnothing 16; L = 1,4m}$

④ $\frac{1000}{\varnothing 16; L = 1,0m}$

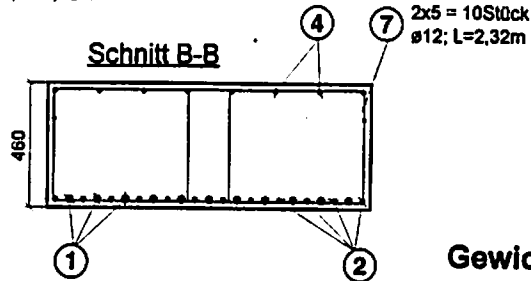
⑧ $\frac{2700}{\varnothing 12; L = 2,7m}$



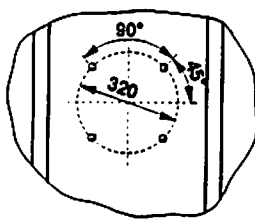
Schnitt A-A



Schnitt B-B



Ansicht X



Gewicht: 5,0 t (2,4 t/m³)

Baustahl BSt 500/550

Betondeckung 2cm

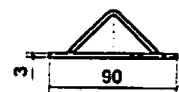
Betongüte B25

alle Maße in mm

alle Kanten 20x45° gebrochen

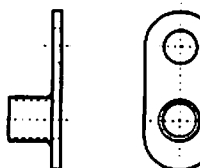
C153.001-318.413
9564 034 01
5.0 t

Schild
C153.001-318.413/110
Ident.Nr. 9564 035 01
(kann bei LBC bestellt werden)



Anhängevorrichtung

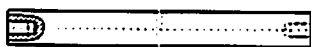
für einen "A3"-Block
C153.001-319.100
9564 151 01



Anhängelasche
C151.010-319.111
9561 596 01

beides kann bei
LBC bestellt werden

Stange
C153.001-319.112
9564 152 01



| Teil | Stück | Fundamentplatte "A3" |
|------|-------|---|
| 1 | 11 | $\varnothing 25, L = 2000$ |
| 2 | 12 | $\varnothing 18, L = 2800$ |
| 3 | 16 | $\varnothing 16, L = 1400$ |
| 4 | 8 | $\varnothing 16, L = 1000$ |
| 5 | 4 | Ankerhülse Rd 20x2,50; Fa. Pfeifer, Best.-Nr. 05.000.204 |
| 6 | 32 | $\varnothing 12, L = 2720$ |
| 7 | 10 | $\varnothing 12, L = 2320$ |
| 8 | 2 | $\varnothing 12, L = 2700$ |
| 9 | 4 | $\varnothing 12, L = 800$ |
| 10 | 2 | Rohr 60,3x3,6x1200 |

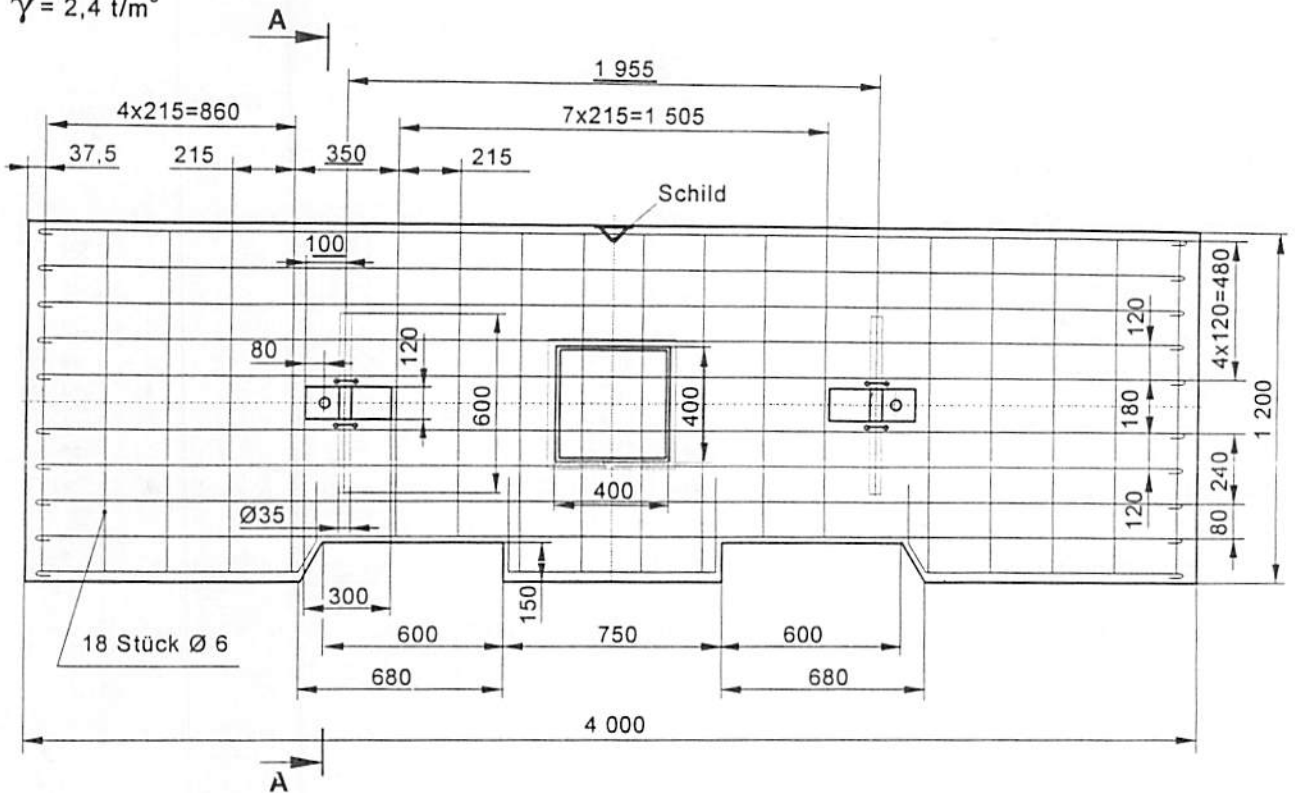
Zentralballastblock "B2"
Gewicht: 5 000 kg

C 150.003 - 318.415

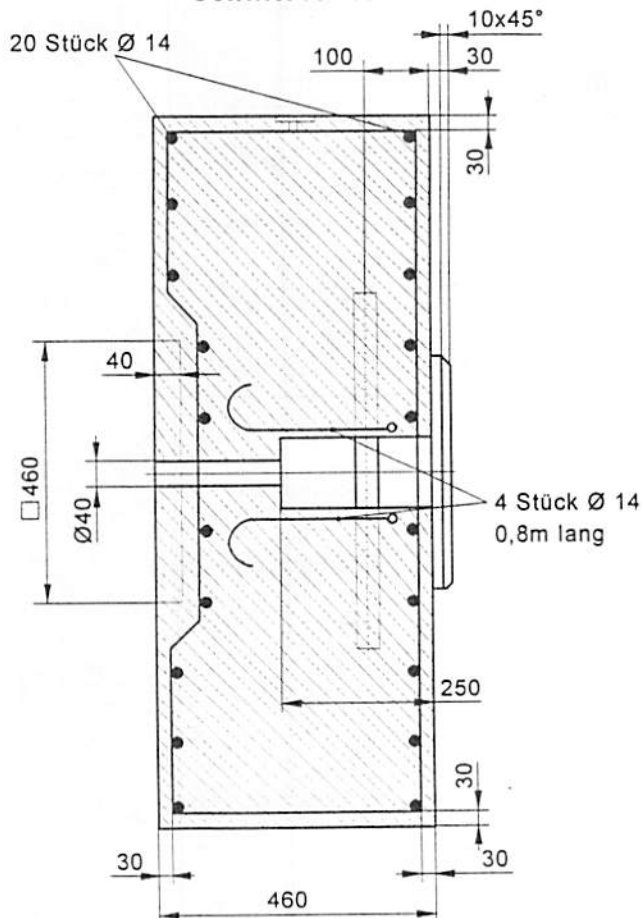
Beton B 25
Baustahl BSt 500 / 550

alle Maße in mm

$\gamma = 2,4 \text{ t/m}^3$

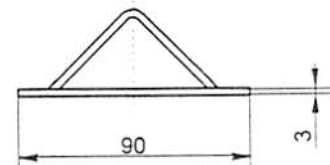


Schnitt A - A



Schild
C 150.003 - 318.415/110
9560 262 01
(kann bei LBC bestellt
werden)

| | |
|---------------------|----|
| C 150.003 - 318.415 | 50 |
| + 9560 274 01 | |
| 5,0 t | |



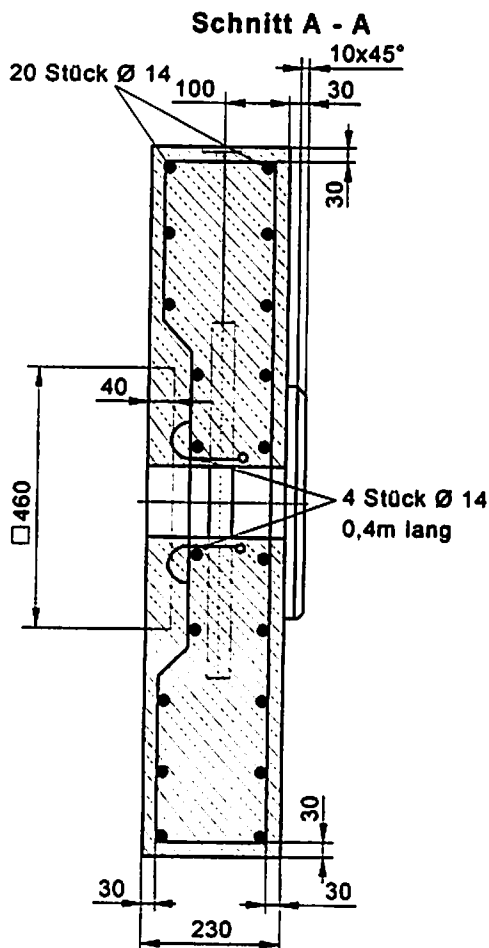
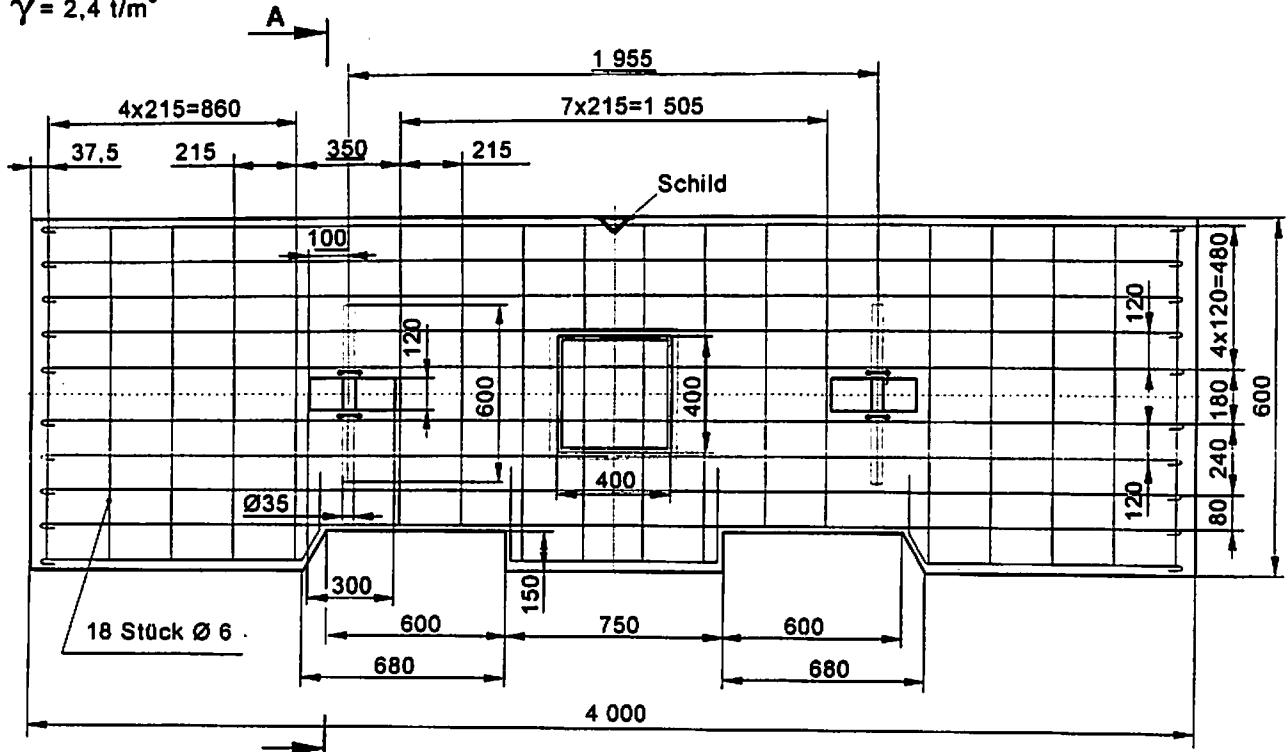
Zentralballastblock "D2"
Gewicht: 2 500 kg

C 150.003 - 318.416

Beton B 25
 Baustahl BSt 500 / 550

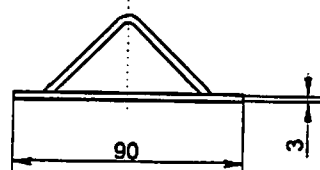
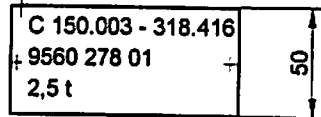
alle Maße in mm

$\gamma = 2,4 \text{ t/m}^3$



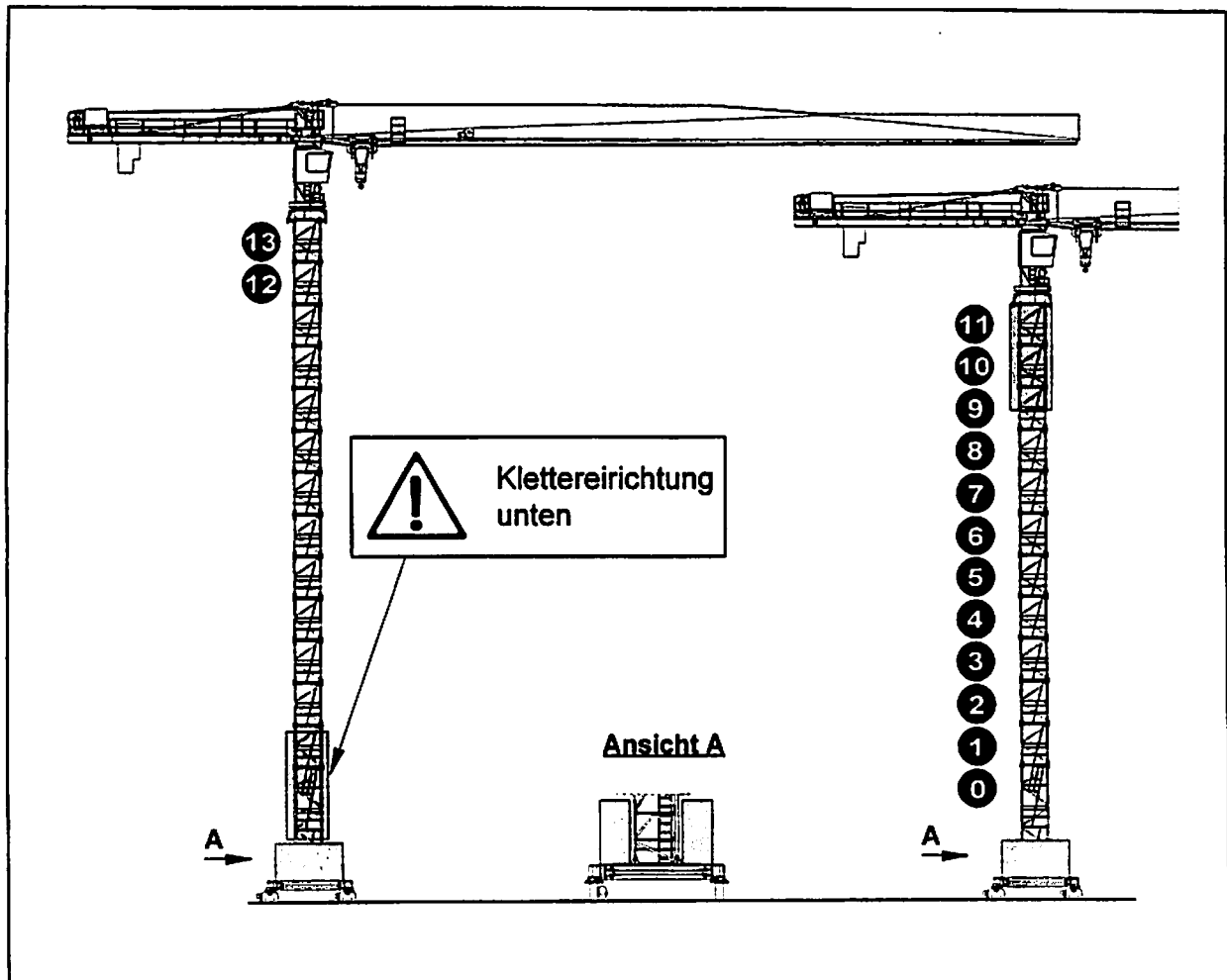
Schild

C 150.003 - 318.416/110
 9560 264 01
 (kann bei LBC bestellt
 werden)



112 EC-B
120 HC - Turm
Turmstücke 2,5 m
Klettereinrichtung 6,44 m
91 EC - Fundamentkreuz 4,6 m
Grundturmstück 6,85 m

Eckkräfte mit Klettereinrichtung



Eckkräfte (in kN) in Betrieb und außer Betrieb
Kran fahrbar und stationär, mit Klettereinrichtung 6,44m

112 EC-B
auf 120 HC-Turm
und 91 EC-Fundamentkrenz

Ausladung: 50,00m Spur: 4,6m
Turmstück: 2,50m Grundturmstück: 6,85m Radstand: 4,6m

| Zahl d. Turm-Stücke | Haken-höhe [m] | Zentral-ballast [to] | Eckdrücke in Betrieb [kN], MD=190 kNm | | | | | Eckdrücke außer Betrieb [kN], MD=0 | | | | |
|---------------------|----------------|----------------------|---------------------------------------|------------------|-----|-----|---------------|------------------------------------|------------------|-----|-----|---------------|
| | | | Ecke | Auslegerstellung | | | H.-Kraft [kN] | Ecke | Auslegerstellung | | | H.-Kraft [kN] |
| | | | | 1 | 2 | 3 | | | 1 | 2 | 3 | |
| 1 | 13,55 | 20,000 | A | 195 | 301 | 79 | 32 | A | 177 | 147 | 207 | 37 |
| | | | B | 374 | 338 | 319 | | B | 137 | 147 | 147 | |
| | | | C | 203 | 98 | 319 | | C | 177 | 207 | 147 | |
| | | | D | 24 | 61 | 79 | | D | 217 | 207 | 207 | |
| 2 | 16,05 | 20,000 | A | 197 | 305 | 76 | 33 | A | 180 | 162 | 197 | 42 |
| | | | B | 384 | 349 | 327 | | B | 157 | 162 | 162 | |
| | | | C | 206 | 98 | 327 | | C | 180 | 197 | 162 | |
| | | | D | 19 | 55 | 76 | | D | 202 | 197 | 197 | |
| 3 | 18,55 | 20,000 | A | 200 | 310 | 74 | 34 | A | 182 | 184 | 180 | 48 |
| | | | B | 395 | 360 | 335 | | B | 188 | 184 | 184 | |
| | | | C | 209 | 99 | 335 | | C | 182 | 180 | 184 | |
| | | | D | 14 | 49 | 74 | | D | 176 | 180 | 180 | |
| 4 | 21,05 | 20,000 | A | 202 | 315 | 71 | 34 | A | 185 | 204 | 166 | 53 |
| | | | B | 405 | 371 | 343 | | B | 216 | 204 | 204 | |
| | | | C | 212 | 99 | 343 | | C | 185 | 166 | 204 | |
| | | | D | 8 | 43 | 71 | | D | 153 | 166 | 166 | |
| 5 | 23,55 | 20,000 | A | 205 | 320 | 68 | 35 | A | 187 | 221 | 154 | 56 |
| | | | B | 416 | 383 | 351 | | B | 241 | 221 | 221 | |
| | | | C | 214 | 99 | 351 | | C | 187 | 154 | 221 | |
| | | | D | 3 | 36 | 68 | | D | 134 | 154 | 154 | |
| 6 | 26,05 | 20,000 | A | 204 | 325 | 64 | 36 | A | 190 | 246 | 134 | 61 |
| | | | B | 431 | 394 | 360 | | B | 277 | 246 | 246 | |
| | | | C | 213 | 99 | 360 | | C | 190 | 134 | 246 | |
| | | | D | 0 | 30 | 64 | | D | 103 | 134 | 134 | |
| 7 | 28,55 | 20,000 | A | 201 | 330 | 61 | 37 | A | 193 | 266 | 119 | 64 |
| | | | B | 448 | 406 | 368 | | B | 306 | 266 | 266 | |
| | | | C | 209 | 99 | 368 | | C | 193 | 119 | 266 | |
| | | | D | 0 | 23 | 61 | | D | 79 | 119 | 119 | |
| 8 | 31,05 | 25,000 | A | 219 | 348 | 70 | 37 | A | 208 | 300 | 115 | 68 |
| | | | B | 470 | 432 | 390 | | B | 349 | 300 | 300 | |
| | | | C | 230 | 112 | 390 | | C | 208 | 115 | 300 | |
| | | | D | 0 | 28 | 70 | | D | 66 | 115 | 115 | |
| 9 | 33,55 | 30,000 | A | 236 | 366 | 78 | 38 | A | 223 | 334 | 111 | 71 |
| | | | B | 493 | 457 | 411 | | B | 384 | 334 | 334 | |
| | | | C | 251 | 124 | 411 | | C | 223 | 111 | 334 | |
| | | | D | 0 | 33 | 78 | | D | 52 | 111 | 111 | |
| 10 | 36,05 | 35,000 | A | 251 | 384 | 87 | 39 | A | 238 | 370 | 106 | 74 |
| | | | B | 518 | 483 | 433 | | B | 440 | 370 | 370 | |
| | | | C | 269 | 136 | 433 | | C | 238 | 106 | 370 | |
| | | | D | 2 | 37 | 87 | | D | 36 | 106 | 106 | |
| 11 | 38,55 | 40,000 | A | 264 | 402 | 95 | 40 | A | 253 | 406 | 100 | 77 |
| | | | B | 545 | 509 | 455 | | B | 487 | 406 | 406 | |
| | | | C | 286 | 148 | 455 | | C | 253 | 100 | 406 | |
| | | | D | 5 | 41 | 95 | | D | 19 | 100 | 100 | |
| * 12 | 41,05 | 40,000 | A | 267 | 403 | 98 | 40 | A | 255 | 396 | 115 | 75 |
| | | | B | 546 | 512 | 457 | | B | 489 | 396 | 396 | |
| | | | C | 288 | 152 | 457 | | C | 255 | 115 | 396 | |
| | | | D | 9 | 43 | 98 | | D | 42 | 115 | 115 | |
| * 13 | 43,55 | 40,000 | A | 270 | 409 | 94 | 41 | A | 258 | 419 | 97 | 78 |
| | | | B | 558 | 525 | 467 | | B | 503 | 419 | 419 | |
| | | | C | 290 | 151 | 467 | | C | 258 | 97 | 419 | |
| | | | D | 2 | 36 | 94 | | D | 14 | 97 | 97 | |

* Bei diesem Aufbau muß die Klettereinrichtung nach der Montage abgelassen werden!

**Eckkräfte (in kN) in Betrieb und außer Betrieb
Kran fahrbar und stationär, mit Klettereinrichtung 6,44m**

112 EC-B
auf 120 HC-Turm
und 91 EC-Fundamentkreuz

Ausladung: 45,00m
Turmstück: 2,50m
Grundturmstück: 6,85m
Spur: 4,6m
Radstand: 4,6m

| Zahl d. Turm-Stücke | Haken-höhe [m] | Zentral-ballast [to] | Eckdrücke in Betrieb [kN], MD=170 kNm | | | | | Eckdrücke außer Betrieb [kN], MD=0 | | | | |
|---------------------|----------------|----------------------|---------------------------------------|------------------|-----|-----|---------------|------------------------------------|------------------|-----|-----|---------------|
| | | | Ecke | Auslegerstellung | | | H.-Kraft [kN] | Ecke | Auslegerstellung | | | H.-Kraft [kN] |
| 1 | 13,55 | 20,000 | A | 192 | 295 | 79 | 32 | A | 174 | 136 | 212 | 37 |
| | | | B | 366 | 331 | 313 | | B | 122 | 136 | 136 | |
| | | | C | 200 | 97 | 313 | | C | 174 | 212 | 136 | |
| | | | D | 26 | 61 | 79 | | D | 226 | 212 | 212 | |
| 2 | 16,05 | 20,000 | A | 194 | 300 | 76 | 32 | A | 177 | 151 | 202 | 42 |
| | | | B | 377 | 342 | 321 | | B | 143 | 151 | 151 | |
| | | | C | 203 | 97 | 321 | | C | 177 | 202 | 151 | |
| | | | D | 21 | 55 | 76 | | D | 210 | 202 | 202 | |
| 3 | 18,55 | 20,000 | A | 197 | 305 | 74 | 33 | A | 179 | 173 | 185 | 48 |
| | | | B | 367 | 353 | 329 | | B | 174 | 173 | 173 | |
| | | | C | 206 | 98 | 329 | | C | 179 | 185 | 173 | |
| | | | D | 15 | 49 | 74 | | D | 185 | 185 | 185 | |
| 4 | 21,05 | 20,000 | A | 200 | 310 | 71 | 34 | A | 182 | 193 | 171 | 53 |
| | | | B | 398 | 364 | 337 | | B | 202 | 193 | 193 | |
| | | | C | 208 | 98 | 337 | | C | 182 | 171 | 193 | |
| | | | D | 10 | 43 | 71 | | D | 161 | 171 | 171 | |
| 5 | 23,55 | 20,000 | A | 202 | 315 | 68 | 35 | A | 184 | 210 | 159 | 56 |
| | | | B | 409 | 376 | 345 | | B | 226 | 210 | 210 | |
| | | | C | 211 | 98 | 345 | | C | 184 | 159 | 210 | |
| | | | D | 4 | 37 | 68 | | D | 142 | 159 | 159 | |
| 6 | 26,05 | 20,000 | A | 204 | 320 | 64 | 35 | A | 187 | 235 | 139 | 61 |
| | | | B | 421 | 388 | 354 | | B | 262 | 235 | 235 | |
| | | | C | 211 | 98 | 354 | | C | 187 | 139 | 235 | |
| | | | D | 0 | 31 | 64 | | D | 111 | 139 | 139 | |
| 7 | 28,55 | 25,000 | A | 219 | 337 | 73 | 36 | A | 202 | 268 | 136 | 64 |
| | | | B | 445 | 412 | 375 | | B | 304 | 268 | 268 | |
| | | | C | 230 | 111 | 375 | | C | 202 | 136 | 268 | |
| | | | D | 3 | 36 | 73 | | D | 100 | 136 | 136 | |
| 8 | 31,05 | 30,000 | A | 232 | 355 | 82 | 37 | A | 217 | 301 | 133 | 68 |
| | | | B | 471 | 437 | 396 | | B | 347 | 301 | 301 | |
| | | | C | 246 | 123 | 396 | | C | 217 | 133 | 301 | |
| | | | D | 7 | 41 | 82 | | D | 87 | 133 | 133 | |
| 9 | 33,55 | 35,000 | A | 246 | 373 | 91 | 37 | A | 232 | 336 | 128 | 71 |
| | | | B | 498 | 463 | 418 | | B | 362 | 336 | 336 | |
| | | | C | 263 | 136 | 418 | | C | 232 | 128 | 336 | |
| | | | D | 11 | 46 | 91 | | D | 72 | 128 | 128 | |
| 10 | 36,05 | 40,000 | A | 259 | 391 | 99 | 38 | A | 247 | 371 | 123 | 74 |
| | | | B | 524 | 488 | 440 | | B | 438 | 371 | 371 | |
| | | | C | 280 | 148 | 440 | | C | 247 | 123 | 371 | |
| | | | D | 14 | 50 | 99 | | D | 57 | 123 | 123 | |
| 11 | 38,55 | 45,000 | A | 272 | 409 | 107 | 39 | A | 262 | 408 | 117 | 77 |
| | | | B | 551 | 514 | 461 | | B | 485 | 408 | 408 | |
| | | | C | 297 | 160 | 461 | | C | 262 | 117 | 408 | |
| | | | D | 18 | 55 | 107 | | D | 40 | 117 | 117 | |
| * 12 | 41,05 | 45,000 | A | 275 | 411 | 110 | 40 | A | 265 | 398 | 132 | 75 |
| | | | B | 553 | 517 | 464 | | B | 467 | 398 | 398 | |
| | | | C | 299 | 164 | 464 | | C | 265 | 132 | 398 | |
| | | | D | 22 | 57 | 110 | | D | 63 | 132 | 132 | |
| * 13 | 43,55 | 45,000 | A | 278 | 416 | 106 | 40 | A | 268 | 421 | 114 | 78 |
| | | | B | 565 | 530 | 473 | | B | 501 | 421 | 421 | |
| | | | C | 301 | 163 | 473 | | C | 268 | 114 | 421 | |
| | | | D | 14 | 49 | 106 | | D | 34 | 114 | 114 | |

* Bei diesem Aufbau muß die Klettereinrichtung nach der Montage abgelassen werden!

Eckkräfte (in kN) in Betrieb und außer Betrieb
Kran fahrbar und stationär, mit Klettereinrichtung 6,44m

112 EC-B
auf 120 HC-Turm
und 91 EC-Fundamentkreuz

Ausladung: 40,00m

Spur: 4,6m

Turmstück: 2,50m

Grundturmstück: 6,85m

Radstand: 4,6m

| Zahl d. Turm-Stücke | Haken-höhe [m] | Zentral-ballast [to] | Eckdrücke in Betrieb [kN], MD=150 kNm | | | | | Eckdrücke außer Betrieb [kN], MD=0 | | | | |
|---------------------|----------------|----------------------|---------------------------------------|------------------|-----|-----|---------------|------------------------------------|------------------|-----|-----|---------------|
| | | | Ecke | Auslegerstellung | | | H.-Kraft [kN] | Ecke | Auslegerstellung | | | H.-Kraft [kN] |
| | | | | 1 | 2 | 3 | | | 1 | 2 | 3 | |
| 1 | 13,55 | 20,000 | A | 185 | 297 | 63 | 31 | A | 166 | 132 | 201 | 37 |
| | | | B | 370 | 331 | 314 | | B | 119 | 132 | 132 | |
| | | | C | 192 | 80 | 314 | | C | 166 | 201 | 132 | |
| | | | D | 7 | 46 | 63 | | D | 213 | 201 | 201 | |
| 2 | 16,05 | 20,000 | A | 188 | 302 | 60 | 31 | A | 169 | 147 | 191 | 42 |
| | | | B | 380 | 342 | 322 | | B | 140 | 147 | 147 | |
| | | | C | 194 | 80 | 322 | | C | 169 | 191 | 147 | |
| | | | D | 2 | 40 | 60 | | D | 198 | 191 | 191 | |
| 3 | 18,55 | 20,000 | A | 187 | 307 | 58 | 32 | A | 172 | 169 | 175 | 48 |
| | | | B | 394 | 353 | 330 | | B | 171 | 169 | 169 | |
| | | | C | 194 | 80 | 330 | | C | 172 | 175 | 169 | |
| | | | D | 0 | 35 | 58 | | D | 172 | 175 | 175 | |
| 4 | 21,05 | 20,000 | A | 184 | 312 | 55 | 33 | A | 174 | 189 | 160 | 53 |
| | | | B | 410 | 364 | 338 | | B | 199 | 189 | 189 | |
| | | | C | 191 | 80 | 338 | | C | 174 | 160 | 189 | |
| | | | D | 0 | 29 | 55 | | D | 149 | 160 | 160 | |
| 5 | 23,55 | 20,000 | A | 182 | 317 | 51 | 34 | A | 177 | 206 | 148 | 56 |
| | | | B | 426 | 375 | 346 | | B | 224 | 206 | 206 | |
| | | | C | 187 | 80 | 346 | | C | 177 | 148 | 206 | |
| | | | D | 0 | 23 | 51 | | D | 130 | 148 | 148 | |
| 6 | 26,05 | 20,000 | A | 179 | 323 | 48 | 34 | A | 179 | 230 | 128 | 61 |
| | | | B | 443 | 387 | 355 | | B | 280 | 230 | 230 | |
| | | | C | 184 | 80 | 355 | | C | 179 | 128 | 230 | |
| | | | D | 0 | 16 | 48 | | D | 99 | 128 | 128 | |
| 7 | 28,55 | 25,000 | A | 197 | 341 | 57 | 35 | A | 194 | 263 | 126 | 64 |
| | | | B | 464 | 411 | 376 | | B | 301 | 263 | 263 | |
| | | | C | 205 | 92 | 376 | | C | 194 | 126 | 263 | |
| | | | D | 0 | 22 | 57 | | D | 87 | 126 | 126 | |
| 8 | 31,05 | 30,000 | A | 215 | 358 | 66 | 36 | A | 210 | 297 | 122 | 68 |
| | | | B | 486 | 436 | 397 | | B | 345 | 297 | 297 | |
| | | | C | 226 | 105 | 397 | | C | 210 | 122 | 297 | |
| | | | D | 0 | 27 | 66 | | D | 74 | 122 | 122 | |
| 9 | 33,55 | 35,000 | A | 232 | 377 | 75 | 36 | A | 225 | 332 | 118 | 71 |
| | | | B | 508 | 461 | 419 | | B | 389 | 332 | 332 | |
| | | | C | 247 | 117 | 419 | | C | 225 | 118 | 332 | |
| | | | D | 0 | 32 | 75 | | D | 60 | 118 | 118 | |
| 10 | 36,05 | 40,000 | A | 249 | 395 | 83 | 37 | A | 240 | 367 | 112 | 74 |
| | | | B | 531 | 487 | 441 | | B | 435 | 367 | 367 | |
| | | | C | 267 | 129 | 441 | | C | 240 | 112 | 367 | |
| | | | D | 0 | 37 | 83 | | D | 44 | 112 | 112 | |
| 11 | 38,55 | 45,000 | A | 266 | 413 | 91 | 38 | A | 255 | 403 | 106 | 77 |
| | | | B | 555 | 512 | 463 | | B | 482 | 403 | 403 | |
| | | | C | 287 | 141 | 463 | | C | 255 | 106 | 403 | |
| | | | D | 0 | 41 | 91 | | D | 27 | 106 | 106 | |
| * 12 | 41,05 | 45,000 | A | 270 | 415 | 94 | 39 | A | 257 | 393 | 121 | 75 |
| | | | B | 558 | 515 | 465 | | B | 464 | 393 | 393 | |
| | | | C | 289 | 144 | 465 | | C | 257 | 121 | 393 | |
| | | | D | 3 | 44 | 94 | | D | 50 | 121 | 121 | |
| * 13 | 43,55 | 45,000 | A | 269 | 421 | 90 | 39 | A | 260 | 416 | 104 | 78 |
| | | | B | 572 | 528 | 474 | | B | 498 | 416 | 416 | |
| | | | C | 288 | 143 | 474 | | C | 260 | 104 | 416 | |
| | | | D | 0 | 36 | 90 | | D | 22 | 104 | 104 | |

* Bei diesem Aufbau muß die Klettereinrichtung nach der Montage abgelassen werden!

Eckkräfte (in kN) in Betrieb und außer Betrieb
Kran fahrbar und stationär, mit Klettereinrichtung 6,44m

112 EC-B
auf 120 HC-Turm
und 91 EC-Fundamentkreuz

Ausladung: 35,00m
Turmstück: 2,50m Grundturmstück: 6,85m Spur: 4,6m Radstand: 4,6m

| Zahl d. Turm-Stücke | Haken-höhe [m] | Zentral-ballast [to] | Eckdrücke in Betrieb [kN], MD=130 kNm | | | | | Eckdrücke außer Betrieb [kN], MD=0 | | | | |
|---------------------|----------------|----------------------|---------------------------------------|------------------|-----|-----|---------------|------------------------------------|------------------|-----|-----|---------------|
| | | | Ecke | Auslegerstellung | | | H.-Kraft [kN] | Ecke | Auslegerstellung | | | H.-Kraft [kN] |
| | | | | 1 | 2 | 3 | | | 1 | 2 | 3 | |
| 1 | 13,55 | 20,000 | A | 183 | 298 | 57 | 30 | A | 164 | 129 | 198 | 37 |
| | | | B | 372 | 331 | 315 | | B | 116 | 129 | 129 | |
| | | | C | 188 | 73 | 315 | | C | 164 | 198 | 129 | |
| | | | D | 0 | 40 | 57 | | D | 211 | 198 | 198 | |
| 2 | 16,05 | 20,000 | A | 180 | 303 | 54 | 31 | A | 166 | 144 | 189 | 42 |
| | | | B | 367 | 342 | 322 | | B | 137 | 144 | 144 | |
| | | | C | 186 | 74 | 322 | | C | 166 | 189 | 144 | |
| | | | D | 0 | 35 | 54 | | D | 195 | 189 | 189 | |
| 3 | 18,55 | 20,000 | A | 178 | 308 | 52 | 31 | A | 169 | 166 | 172 | 48 |
| | | | B | 403 | 353 | 330 | | B | 168 | 166 | 166 | |
| | | | C | 184 | 74 | 330 | | C | 169 | 172 | 166 | |
| | | | D | 0 | 29 | 52 | | D | 170 | 172 | 172 | |
| 4 | 21,05 | 20,000 | A | 175 | 313 | 49 | 32 | A | 171 | 186 | 157 | 53 |
| | | | B | 418 | 364 | 338 | | B | 196 | 186 | 186 | |
| | | | C | 181 | 74 | 338 | | C | 171 | 157 | 186 | |
| | | | D | 0 | 23 | 49 | | D | 147 | 157 | 157 | |
| 5 | 23,55 | 20,000 | A | 172 | 319 | 45 | 33 | A | 174 | 203 | 145 | 56 |
| | | | B | 435 | 375 | 347 | | B | 221 | 203 | 203 | |
| | | | C | 177 | 74 | 347 | | C | 174 | 145 | 203 | |
| | | | D | 0 | 17 | 45 | | D | 127 | 145 | 145 | |
| 6 | 26,05 | 20,000 | A | 170 | 324 | 42 | 34 | A | 177 | 228 | 126 | 61 |
| | | | B | 451 | 386 | 355 | | B | 257 | 228 | 228 | |
| | | | C | 174 | 73 | 355 | | C | 177 | 126 | 228 | |
| | | | D | 0 | 11 | 42 | | D | 97 | 126 | 126 | |
| 7 | 28,55 | 25,000 | A | 188 | 342 | 51 | 34 | A | 192 | 261 | 123 | 64 |
| | | | B | 472 | 411 | 376 | | B | 299 | 261 | 261 | |
| | | | C | 195 | 86 | 376 | | C | 192 | 123 | 261 | |
| | | | D | 0 | 17 | 51 | | D | 85 | 123 | 123 | |
| 8 | 31,05 | 30,000 | A | 206 | 360 | 60 | 35 | A | 207 | 294 | 119 | 68 |
| | | | B | 494 | 436 | 398 | | B | 342 | 294 | 294 | |
| | | | C | 216 | 98 | 398 | | C | 207 | 119 | 294 | |
| | | | D | 0 | 22 | 60 | | D | 72 | 119 | 119 | |
| 9 | 33,55 | 35,000 | A | 223 | 378 | 68 | 36 | A | 222 | 329 | 115 | 71 |
| | | | B | 518 | 461 | 419 | | B | 386 | 329 | 329 | |
| | | | C | 236 | 110 | 419 | | C | 222 | 115 | 329 | |
| | | | D | 0 | 27 | 68 | | D | 57 | 115 | 115 | |
| 10 | 36,05 | 40,000 | A | 240 | 396 | 77 | 36 | A | 237 | 364 | 110 | 74 |
| | | | B | 540 | 486 | 441 | | B | 432 | 364 | 364 | |
| | | | C | 257 | 122 | 441 | | C | 237 | 110 | 364 | |
| | | | D | 0 | 32 | 77 | | D | 42 | 110 | 110 | |
| 11 | 38,55 | 45,000 | A | 257 | 414 | 85 | 37 | A | 252 | 401 | 103 | 77 |
| | | | B | 563 | 512 | 463 | | B | 479 | 401 | 401 | |
| | | | C | 277 | 134 | 463 | | C | 252 | 103 | 401 | |
| | | | D | 0 | 36 | 85 | | D | 25 | 103 | 103 | |
| * 12 | 41,05 | 45,000 | A | 264 | 416 | 88 | 38 | A | 255 | 391 | 119 | 75 |
| | | | B | 580 | 515 | 466 | | B | 462 | 391 | 391 | |
| | | | C | 283 | 137 | 466 | | C | 255 | 119 | 391 | |
| | | | D | 0 | 39 | 88 | | D | 48 | 119 | 119 | |
| * 13 | 43,55 | 45,000 | A | 260 | 422 | 84 | 39 | A | 257 | 414 | 101 | 78 |
| | | | B | 580 | 527 | 475 | | B | 495 | 414 | 414 | |
| | | | C | 278 | 136 | 475 | | C | 257 | 101 | 414 | |
| | | | D | 0 | 31 | 84 | | D | 19 | 101 | 101 | |

* Bei diesem Aufbau muß die Klettereinrichtung nach der Montage abgelassen werden!

Eckkräfte (in kN) in Betrieb und außer Betrieb
Kran fahrbar und stationär, mit Klettereinrichtung 6,44m

112 EC-B
auf 120 HC-Turm
und 91 EC-Fundamentkreuz

Ausladung: 30,00m

Spur: 4,6m

Turmstück: 2,50m

Grundturmstück: 6,85m

Radstand: 4,6m

| Zahl d. Turm-Stücke | Haken-höhe [m] | Zentral-ballast [to] | Eckdrücke in Betrieb [kN], MD=130 kNm | | | | Eckdrücke außer Betrieb [kN], MD=0 | Eckdrücke außer Betrieb [kN], MD=0 | | | | |
|---------------------|----------------|----------------------|---------------------------------------|------------------|-----|-----|------------------------------------|------------------------------------|------|------------------|-----|----|
| | | | Ecke | Auslegerstellung | | | | H.-Kraft [kN] | Ecke | Auslegerstellung | | |
| | | | | 1 | 2 | 3 | | | 1 | 2 | 3 | |
| 1 | 13,55 | 20,000 | A | 177 | 290 | 55 | 29 | A | 158 | 121 | 195 | 37 |
| | | | B | 362 | 322 | 306 | | B | 107 | 121 | 121 | |
| | | | C | 182 | 70 | 306 | | C | 158 | 195 | 121 | |
| | | | D | 0 | 39 | 55 | | D | 209 | 195 | 195 | |
| 2 | 16,05 | 20,000 | A | 175 | 295 | 52 | 30 | A | 161 | 136 | 186 | 42 |
| | | | B | 377 | 332 | 314 | | B | 128 | 136 | 136 | |
| | | | C | 180 | 71 | 314 | | C | 161 | 186 | 136 | |
| | | | D | 0 | 34 | 52 | | D | 194 | 186 | 186 | |
| 3 | 18,55 | 20,000 | A | 173 | 301 | 49 | 31 | A | 163 | 158 | 169 | 48 |
| | | | B | 392 | 343 | 322 | | B | 159 | 158 | 158 | |
| | | | C | 177 | 71 | 322 | | C | 163 | 169 | 158 | |
| | | | D | 0 | 28 | 49 | | D | 168 | 169 | 169 | |
| 4 | 21,05 | 20,000 | A | 170 | 306 | 46 | 31 | A | 166 | 178 | 154 | 53 |
| | | | B | 408 | 354 | 330 | | B | 187 | 178 | 178 | |
| | | | C | 174 | 70 | 330 | | C | 166 | 154 | 178 | |
| | | | D | 0 | 22 | 46 | | D | 145 | 154 | 154 | |
| 5 | 23,55 | 20,000 | A | 168 | 311 | 43 | 32 | A | 169 | 195 | 142 | 56 |
| | | | B | 424 | 365 | 338 | | B | 212 | 195 | 195 | |
| | | | C | 171 | 70 | 338 | | C | 169 | 142 | 195 | |
| | | | D | 0 | 16 | 43 | | D | 126 | 142 | 142 | |
| 6 | 26,05 | 25,000 | A | 187 | 329 | 52 | 33 | A | 184 | 232 | 135 | 61 |
| | | | B | 444 | 389 | 359 | | B | 260 | 232 | 232 | |
| | | | C | 193 | 83 | 359 | | C | 184 | 135 | 232 | |
| | | | D | 0 | 22 | 52 | | D | 108 | 135 | 135 | |
| 7 | 28,55 | 30,000 | A | 205 | 347 | 61 | 33 | A | 199 | 265 | 133 | 64 |
| | | | B | 465 | 414 | 380 | | B | 302 | 265 | 265 | |
| | | | C | 214 | 95 | 380 | | C | 199 | 133 | 265 | |
| | | | D | 0 | 28 | 61 | | D | 96 | 133 | 133 | |
| 8 | 31,05 | 35,000 | A | 223 | 365 | 70 | 34 | A | 214 | 299 | 129 | 68 |
| | | | B | 486 | 438 | 402 | | B | 345 | 299 | 299 | |
| | | | C | 235 | 107 | 402 | | C | 214 | 129 | 299 | |
| | | | D | 0 | 34 | 70 | | D | 83 | 129 | 129 | |
| 9 | 33,55 | 40,000 | A | 241 | 383 | 79 | 35 | A | 229 | 333 | 125 | 71 |
| | | | B | 509 | 463 | 423 | | B | 390 | 333 | 333 | |
| | | | C | 255 | 119 | 423 | | C | 229 | 125 | 333 | |
| | | | D | 0 | 39 | 79 | | D | 68 | 125 | 125 | |
| 10 | 36,05 | 45,000 | A | 257 | 402 | 87 | 36 | A | 244 | 369 | 119 | 74 |
| | | | B | 532 | 489 | 445 | | B | 435 | 369 | 369 | |
| | | | C | 275 | 131 | 445 | | C | 244 | 119 | 369 | |
| | | | D | 0 | 44 | 87 | | D | 53 | 119 | 119 | |
| 11 | 38,55 | 50,000 | A | 271 | 420 | 95 | 36 | A | 259 | 405 | 113 | 77 |
| | | | B | 559 | 514 | 467 | | B | 483 | 405 | 405 | |
| | | | C | 292 | 142 | 467 | | C | 259 | 113 | 405 | |
| | | | D | 4 | 48 | 95 | | D | 36 | 113 | 113 | |
| * 12 | 41,05 | 50,000 | A | 274 | 422 | 98 | 37 | A | 262 | 395 | 128 | 75 |
| | | | B | 580 | 517 | 470 | | B | 465 | 395 | 395 | |
| | | | C | 294 | 146 | 470 | | C | 262 | 128 | 395 | |
| | | | D | 8 | 51 | 98 | | D | 59 | 128 | 128 | |
| * 13 | 43,55 | 50,000 | A | 277 | 428 | 94 | 38 | A | 264 | 418 | 111 | 78 |
| | | | B | 572 | 529 | 479 | | B | 488 | 418 | 418 | |
| | | | C | 296 | 145 | 479 | | C | 264 | 111 | 418 | |
| | | | D | 0 | 44 | 94 | | D | 30 | 111 | 111 | |

* Bei diesem Aufbau muß die Klettereinrichtung nach der Montage abgesehen werden!

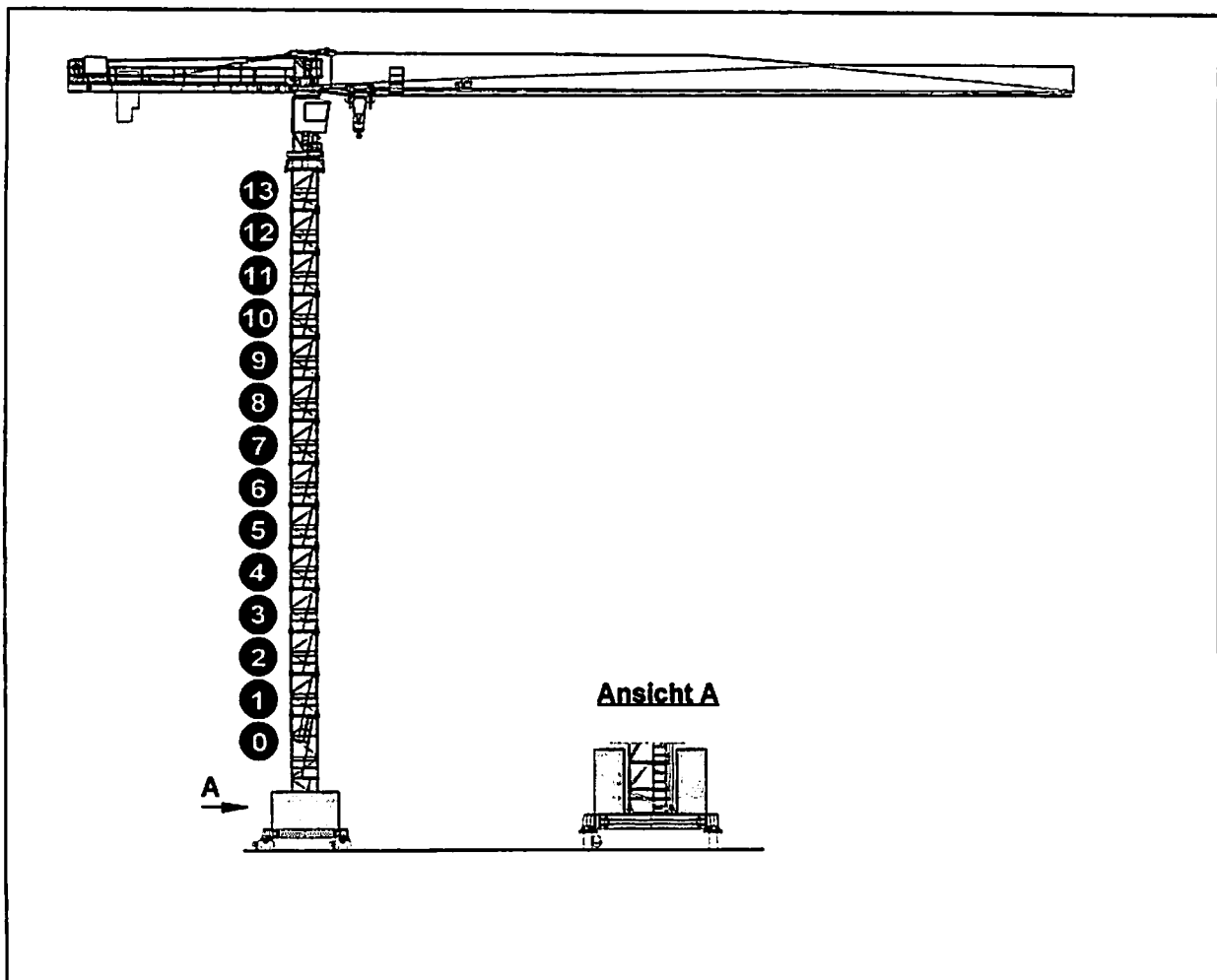
112 EC-B
120 HC - Turm
Turmstücke 2,5 m
91 EC - Fundamentkreuz 4,6 m
Grundturmstück 6,85 m

Eckkräfte

ohne Klettereinrichtung



auch bei Montage und Demontage



Eckkräfte (in kN) in Betrieb und außer Betrieb
Kran fahrbar und stationär, ohne Klettereinrichtung

112 EC-B
auf 120 HC-Turm
und 91 EC-Fundamentkreuz

Ausladung: 50,00m

Spur: 4,6m

Turmstück: 2,50m

Grundturmstück: 6,85m

Radstand: 4,6m

| Zahl d. Turm-Stücke | Hakenhöhe [m] | Zentralballast [to] | Eckdrücke in Betrieb [kN], MD=190 kNm | | | | | Eckdrücke außer Betrieb [kN], MD=0 | | | | |
|---------------------|---------------|---------------------|---------------------------------------|------------------|-----|-----|---------------|------------------------------------|------------------|-----|-----|---------------|
| | | | Ecke | Auslegerstellung | | | H.-Kraft [kN] | Ecke | Auslegerstellung | | | H.-Kraft [kN] |
| 1 | 13,55 | 25,000 | A | 195 | 301 | 81 | 30 | A | 179 | 146 | 213 | 33 |
| | | | B | 375 | 338 | 322 | | B | 133 | 146 | 146 | |
| | | | C | 207 | 101 | 322 | | C | 179 | 213 | 146 | |
| | | | D | 28 | 65 | 81 | | D | 225 | 213 | 213 | |
| 2 | 16,05 | 25,000 | A | 197 | 306 | 79 | 31 | A | 182 | 156 | 207 | 35 |
| | | | B | 385 | 348 | 328 | | B | 147 | 156 | 156 | |
| | | | C | 211 | 102 | 328 | | C | 182 | 207 | 156 | |
| | | | D | 23 | 60 | 79 | | D | 216 | 207 | 207 | |
| 3 | 18,55 | 25,000 | A | 199 | 310 | 78 | 32 | A | 184 | 176 | 192 | 41 |
| | | | B | 395 | 358 | 335 | | B | 175 | 176 | 176 | |
| | | | C | 214 | 103 | 335 | | C | 184 | 192 | 176 | |
| | | | D | 18 | 55 | 78 | | D | 194 | 192 | 192 | |
| 4 | 21,05 | 25,000 | A | 202 | 315 | 76 | 32 | A | 187 | 195 | 179 | 46 |
| | | | B | 405 | 368 | 342 | | B | 200 | 195 | 195 | |
| | | | C | 216 | 104 | 342 | | C | 187 | 179 | 195 | |
| | | | D | 14 | 50 | 76 | | D | 173 | 179 | 179 | |
| 5 | 23,55 | 25,000 | A | 204 | 319 | 74 | 33 | A | 190 | 210 | 169 | 49 |
| | | | B | 415 | 379 | 349 | | B | 222 | 210 | 210 | |
| | | | C | 219 | 104 | 349 | | C | 190 | 169 | 210 | |
| | | | D | 9 | 44 | 74 | | D | 157 | 169 | 169 | |
| 6 | 26,05 | 25,000 | A | 207 | 324 | 71 | 34 | A | 192 | 227 | 158 | 52 |
| | | | B | 425 | 390 | 357 | | B | 246 | 227 | 227 | |
| | | | C | 222 | 104 | 357 | | C | 192 | 158 | 227 | |
| | | | D | 3 | 38 | 71 | | D | 138 | 158 | 158 | |
| 7 | 28,55 | 25,000 | A | 207 | 329 | 69 | 34 | A | 195 | 245 | 145 | 55 |
| | | | B | 438 | 401 | 365 | | B | 271 | 245 | 245 | |
| | | | C | 222 | 105 | 365 | | C | 195 | 145 | 245 | |
| | | | D | 0 | 32 | 69 | | D | 118 | 145 | 145 | |
| 8 | 31,05 | 25,000 | A | 204 | 334 | 65 | 35 | A | 197 | 263 | 131 | 58 |
| | | | B | 454 | 413 | 373 | | B | 298 | 263 | 263 | |
| | | | C | 219 | 105 | 373 | | C | 197 | 131 | 263 | |
| | | | D | 0 | 26 | 65 | | D | 97 | 131 | 131 | |
| 9 | 33,55 | 25,000 | A | 201 | 339 | 62 | 36 | A | 200 | 283 | 117 | 61 |
| | | | B | 471 | 425 | 382 | | B | 326 | 283 | 283 | |
| | | | C | 216 | 105 | 382 | | C | 200 | 117 | 283 | |
| | | | D | 0 | 19 | 62 | | D | 74 | 117 | 117 | |
| 10 | 36,05 | 30,000 | A | 219 | 357 | 71 | 37 | A | 215 | 316 | 115 | 64 |
| | | | B | 493 | 449 | 403 | | B | 368 | 316 | 316 | |
| | | | C | 237 | 117 | 403 | | C | 215 | 115 | 316 | |
| | | | D | 0 | 25 | 71 | | D | 62 | 115 | 115 | |
| 11 | 38,55 | 35,000 | A | 236 | 374 | 80 | 37 | A | 230 | 349 | 111 | 68 |
| | | | B | 515 | 475 | 424 | | B | 411 | 349 | 349 | |
| | | | C | 258 | 130 | 424 | | C | 230 | 111 | 349 | |
| | | | D | 0 | 30 | 80 | | D | 49 | 111 | 111 | |
| 12 | 41,05 | 40,000 | A | 253 | 392 | 89 | 38 | A | 245 | 384 | 107 | 71 |
| | | | B | 538 | 500 | 446 | | B | 455 | 384 | 384 | |
| | | | C | 278 | 142 | 446 | | C | 245 | 107 | 384 | |
| | | | D | 0 | 35 | 89 | | D | 35 | 107 | 107 | |
| 13 | 43,55 | 45,000 | A | 268 | 410 | 96 | 39 | A | 260 | 419 | 101 | 74 |
| | | | B | 563 | 525 | 468 | | B | 501 | 419 | 419 | |
| | | | C | 297 | 155 | 468 | | C | 260 | 101 | 419 | |
| | | | D | 2 | 39 | 96 | | D | 19 | 101 | 101 | |

Eckkräfte (in kN) in Betrieb und außer Betrieb
Kran fahrbar und stationär, ohne Klettereinrichtung

112 EC-B
auf 120 HC-Turm
und 91 EC-Fundamentkreuz

Ausladung: 45,00m
Turmstück: 2,50m Grundturmstück: 6,85m Spur: 4,6m Radstand: 4,6m

| Zahl d. Turm-Stücke | Haken-höhe [m] | Zentral-ballast [to] | Eckdrücke in Betrieb [kN], MD=170 kNm | | | | | Eckdrücke außer Betrieb [kN], MD=0 | | | | |
|---------------------|----------------|----------------------|---------------------------------------|------------------|-----|-----|---------------|------------------------------------|------------------|-----|-----|---------------|
| | | | Ecke | Auslegerstellung | | | H.-Kraft [kN] | Ecke | Auslegerstellung | | | H.-Kraft [kN] |
| | | | | 1 | 2 | 3 | | | 1 | 2 | 3 | |
| 1 | 13,55 | 25,000 | A | 192 | 296 | 81 | 29 | A | 176 | 135 | 218 | 33 |
| | | | B | 368 | 331 | 315 | | B | 119 | 135 | 135 | |
| | | | C | 204 | 101 | 315 | | C | 176 | 218 | 135 | |
| | | | D | 29 | 65 | 81 | | D | 234 | 218 | 218 | |
| 2 | 16,05 | 25,000 | A | 195 | 300 | 80 | 30 | A | 179 | 145 | 212 | 35 |
| | | | B | 377 | 341 | 322 | | B | 133 | 145 | 145 | |
| | | | C | 207 | 101 | 322 | | C | 179 | 212 | 145 | |
| | | | D | 25 | 61 | 80 | | D | 225 | 212 | 212 | |
| 3 | 18,55 | 25,000 | A | 197 | 305 | 78 | 31 | A | 181 | 165 | 197 | 41 |
| | | | B | 387 | 351 | 329 | | B | 161 | 165 | 165 | |
| | | | C | 210 | 102 | 329 | | C | 181 | 197 | 165 | |
| | | | D | 20 | 56 | 78 | | D | 202 | 197 | 197 | |
| 4 | 21,05 | 25,000 | A | 199 | 309 | 76 | 32 | A | 184 | 183 | 184 | 46 |
| | | | B | 397 | 362 | 336 | | B | 186 | 183 | 183 | |
| | | | C | 213 | 103 | 336 | | C | 184 | 184 | 183 | |
| | | | D | 15 | 50 | 76 | | D | 182 | 184 | 184 | |
| 5 | 23,55 | 25,000 | A | 202 | 314 | 74 | 32 | A | 187 | 199 | 174 | 49 |
| | | | B | 407 | 372 | 343 | | B | 208 | 199 | 199 | |
| | | | C | 216 | 103 | 343 | | C | 187 | 174 | 199 | |
| | | | D | 10 | 45 | 74 | | D | 166 | 174 | 174 | |
| 6 | 26,05 | 25,000 | A | 204 | 319 | 71 | 33 | A | 189 | 216 | 163 | 52 |
| | | | B | 417 | 383 | 351 | | B | 232 | 216 | 216 | |
| | | | C | 218 | 104 | 351 | | C | 189 | 163 | 216 | |
| | | | D | 5 | 39 | 71 | | D | 147 | 163 | 163 | |
| 7 | 28,55 | 25,000 | A | 206 | 324 | 68 | 34 | A | 192 | 233 | 150 | 55 |
| | | | B | 428 | 394 | 359 | | B | 257 | 233 | 233 | |
| | | | C | 220 | 104 | 359 | | C | 192 | 150 | 233 | |
| | | | D | 0 | 33 | 68 | | D | 127 | 150 | 150 | |
| 8 | 31,05 | 25,000 | A | 204 | 329 | 65 | 34 | A | 194 | 252 | 136 | 58 |
| | | | B | 445 | 406 | 367 | | B | 284 | 252 | 252 | |
| | | | C | 217 | 104 | 367 | | C | 194 | 136 | 252 | |
| | | | D | 0 | 27 | 65 | | D | 105 | 136 | 136 | |
| 9 | 33,55 | 30,000 | A | 222 | 346 | 75 | 35 | A | 209 | 284 | 135 | 61 |
| | | | B | 465 | 430 | 388 | | B | 324 | 284 | 284 | |
| | | | C | 239 | 117 | 388 | | C | 209 | 135 | 284 | |
| | | | D | 0 | 33 | 75 | | D | 95 | 135 | 135 | |
| 10 | 36,05 | 30,000 | A | 218 | 352 | 71 | 36 | A | 212 | 304 | 120 | 64 |
| | | | B | 483 | 442 | 397 | | B | 353 | 304 | 304 | |
| | | | C | 235 | 116 | 397 | | C | 212 | 120 | 304 | |
| | | | D | 0 | 26 | 71 | | D | 71 | 120 | 120 | |
| 11 | 38,55 | 35,000 | A | 236 | 370 | 80 | 37 | A | 227 | 338 | 116 | 68 |
| | | | B | 505 | 467 | 418 | | B | 397 | 338 | 338 | |
| | | | C | 256 | 129 | 418 | | C | 227 | 116 | 338 | |
| | | | D | 0 | 31 | 80 | | D | 58 | 116 | 116 | |
| 12 | 41,05 | 40,000 | A | 252 | 387 | 89 | 37 | A | 242 | 373 | 112 | 71 |
| | | | B | 528 | 493 | 440 | | B | 441 | 373 | 373 | |
| | | | C | 276 | 141 | 440 | | C | 242 | 112 | 373 | |
| | | | D | 0 | 36 | 89 | | D | 43 | 112 | 112 | |
| 13 | 43,55 | 50,000 | A | 276 | 418 | 107 | 38 | A | 270 | 421 | 119 | 74 |
| | | | B | 570 | 531 | 477 | | B | 499 | 421 | 421 | |
| | | | C | 308 | 166 | 477 | | C | 270 | 119 | 421 | |
| | | | D | 14 | 53 | 107 | | D | 40 | 119 | 119 | |

Eckkräfte (in kN) in Betrieb und außer Betrieb
Kran fahrbar und stationär, ohne Klettereinrichtung

112 EC-B
auf 120 HC-Turm
und 91 EC-Fundamentkreuz

Ausladung: 40,00m Spur: 4,6m
Turmstück: 2,50m Grundturmstück: 6,85m Radstand: 4,6m

| Zahl d. Turm-Stücke | Haken-höhe [m] | Zentral-ballast [to] | Eckdrücke in Betrieb [kN], MD=150 kNm | | | | | Eckdrücke außer Betrieb [kN], MD=0 | | | | |
|---------------------|----------------|----------------------|---------------------------------------|------------------|-----|-----|---------------|------------------------------------|------------------|-----|-----|---------------|
| | | | Ecke | Auslegerstellung | | | H.-Kraft [kN] | Ecke | Auslegerstellung | | | H.-Kraft [kN] |
| | | | | 1 | 2 | 3 | | | 1 | 2 | 3 | |
| 1 | 13,55 | 25,000 | A | 186 | 298 | 66 | 29 | A | 169 | 130 | 207 | 33 |
| | | | B | 371 | 331 | 316 | | B | 116 | 130 | 130 | |
| | | | C | 196 | 83 | 316 | | C | 169 | 207 | 130 | |
| | | | D | 10 | 50 | 66 | | D | 222 | 207 | 207 | |
| 2 | 16,05 | 25,000 | A | 188 | 303 | 64 | 29 | A | 171 | 141 | 201 | 35 |
| | | | B | 381 | 341 | 322 | | B | 130 | 141 | 141 | |
| | | | C | 199 | 84 | 322 | | C | 171 | 201 | 141 | |
| | | | D | 6 | 46 | 64 | | D | 212 | 201 | 201 | |
| 3 | 18,55 | 25,000 | A | 190 | 307 | 63 | 30 | A | 174 | 161 | 187 | 41 |
| | | | B | 391 | 351 | 329 | | B | 158 | 161 | 161 | |
| | | | C | 202 | 85 | 329 | | C | 174 | 187 | 161 | |
| | | | D | 1 | 41 | 63 | | D | 190 | 187 | 187 | |
| 4 | 21,05 | 25,000 | A | 189 | 312 | 60 | 31 | A | 176 | 179 | 174 | 46 |
| | | | B | 404 | 361 | 337 | | B | 183 | 179 | 179 | |
| | | | C | 201 | 85 | 337 | | C | 176 | 174 | 179 | |
| | | | D | 0 | 36 | 60 | | D | 170 | 174 | 174 | |
| 5 | 23,55 | 25,000 | A | 187 | 317 | 58 | 31 | A | 179 | 195 | 163 | 49 |
| | | | B | 419 | 372 | 344 | | B | 205 | 195 | 195 | |
| | | | C | 199 | 85 | 344 | | C | 179 | 163 | 195 | |
| | | | D | 0 | 31 | 58 | | D | 153 | 163 | 163 | |
| 6 | 26,05 | 25,000 | A | 184 | 322 | 55 | 32 | A | 182 | 211 | 152 | 52 |
| | | | B | 434 | 382 | 352 | | B | 229 | 211 | 211 | |
| | | | C | 196 | 85 | 352 | | C | 182 | 152 | 211 | |
| | | | D | 0 | 25 | 55 | | D | 134 | 152 | 152 | |
| 7 | 28,55 | 25,000 | A | 182 | 327 | 52 | 33 | A | 184 | 229 | 139 | 55 |
| | | | B | 450 | 393 | 360 | | B | 254 | 229 | 229 | |
| | | | C | 193 | 85 | 360 | | C | 184 | 139 | 229 | |
| | | | D | 0 | 19 | 52 | | D | 114 | 139 | 139 | |
| 8 | 31,05 | 25,000 | A | 179 | 332 | 49 | 34 | A | 187 | 248 | 126 | 58 |
| | | | B | 466 | 405 | 369 | | B | 281 | 248 | 248 | |
| | | | C | 190 | 85 | 369 | | C | 187 | 126 | 248 | |
| | | | D | 0 | 13 | 49 | | D | 93 | 126 | 126 | |
| 9 | 33,55 | 30,000 | A | 198 | 350 | 58 | 34 | A | 202 | 280 | 124 | 61 |
| | | | B | 487 | 429 | 390 | | B | 321 | 280 | 280 | |
| | | | C | 211 | 98 | 390 | | C | 202 | 124 | 280 | |
| | | | D | 0 | 19 | 58 | | D | 82 | 124 | 124 | |
| 10 | 36,05 | 35,000 | A | 215 | 368 | 67 | 35 | A | 217 | 313 | 121 | 64 |
| | | | B | 508 | 454 | 411 | | B | 363 | 313 | 313 | |
| | | | C | 232 | 110 | 411 | | C | 217 | 121 | 313 | |
| | | | D | 0 | 24 | 67 | | D | 71 | 121 | 121 | |
| 11 | 38,55 | 40,000 | A | 233 | 386 | 76 | 36 | A | 232 | 346 | 118 | 68 |
| | | | B | 530 | 478 | 432 | | B | 406 | 346 | 346 | |
| | | | C | 253 | 122 | 432 | | C | 232 | 118 | 346 | |
| | | | D | 0 | 30 | 76 | | D | 58 | 118 | 118 | |
| 12 | 41,05 | 45,000 | A | 250 | 404 | 85 | 36 | A | 247 | 381 | 113 | 71 |
| | | | B | 553 | 504 | 454 | | B | 451 | 381 | 381 | |
| | | | C | 274 | 135 | 454 | | C | 247 | 113 | 381 | |
| | | | D | 0 | 35 | 85 | | D | 44 | 113 | 113 | |
| 13 | 43,55 | 50,000 | A | 267 | 422 | 92 | 37 | A | 262 | 416 | 108 | 74 |
| | | | B | 576 | 529 | 476 | | B | 497 | 416 | 416 | |
| | | | C | 294 | 147 | 476 | | C | 262 | 108 | 416 | |
| | | | D | 0 | 40 | 92 | | D | 28 | 108 | 108 | |

Eckkräfte (in kN) in Betrieb und außer Betrieb
Kran fahrbar und stationär, ohne Klettereinrichtung

112 EC-B
auf 120 HC-Turm
und 91 EC-Fundamentkreuz

Ausladung: 35,00m Grundturmstück: 6,85m Spur: 4,6m
Turmstück: 2,50m Radstand: 4,6m

| Zahl d. Turm-Stücke | Haken-höhe [m] | Zentral-ballast [to] | Eckdrücke in Betrieb [kN], MD=130 kNm | | | | | Eckdrücke außer Betrieb [kN], MD=0 | | | | |
|---------------------|----------------|----------------------|---------------------------------------|------------------|-----|-----|---------------|------------------------------------|------------------|-----|-----|---------------|
| | | | Ecke | Auslegerstellung | | | H.-Kraft [kN] | Ecke | Auslegerstellung | | | H.-Kraft [kN] |
| | | | | 1 | 2 | 3 | | | 1 | 2 | 3 | |
| 1 | 13,55 | 25,000 | A | 183 | 299 | 60 | 28 | A | 166 | 128 | 204 | 33 |
| | | | B | 373 | 331 | 316 | | B | 113 | 128 | 128 | |
| | | | C | 193 | 77 | 316 | | C | 166 | 204 | 128 | |
| | | | D | 3 | 45 | 60 | | D | 219 | 204 | 204 | |
| 2 | 16,05 | 25,000 | A | 184 | 304 | 59 | 28 | A | 168 | 138 | 199 | 35 |
| | | | B | 383 | 341 | 323 | | B | 127 | 138 | 138 | |
| | | | C | 194 | 78 | 323 | | C | 168 | 199 | 138 | |
| | | | D | 0 | 40 | 59 | | D | 210 | 199 | 199 | |
| 3 | 18,55 | 25,000 | A | 182 | 308 | 57 | 29 | A | 171 | 158 | 184 | 41 |
| | | | B | 398 | 351 | 329 | | B | 155 | 158 | 158 | |
| | | | C | 193 | 78 | 329 | | C | 171 | 184 | 158 | |
| | | | D | 0 | 36 | 57 | | D | 187 | 184 | 184 | |
| 4 | 21,05 | 25,000 | A | 180 | 313 | 54 | 30 | A | 174 | 176 | 171 | 46 |
| | | | B | 412 | 361 | 337 | | B | 180 | 176 | 176 | |
| | | | C | 191 | 78 | 337 | | C | 174 | 171 | 176 | |
| | | | D | 0 | 30 | 54 | | D | 167 | 171 | 171 | |
| 5 | 23,55 | 25,000 | A | 178 | 318 | 52 | 31 | A | 176 | 192 | 161 | 49 |
| | | | B | 427 | 371 | 345 | | B | 202 | 192 | 192 | |
| | | | C | 188 | 79 | 345 | | C | 176 | 161 | 192 | |
| | | | D | 0 | 25 | 52 | | D | 151 | 161 | 161 | |
| 6 | 26,05 | 25,000 | A | 175 | 323 | 49 | 31 | A | 179 | 209 | 149 | 52 |
| | | | B | 443 | 382 | 353 | | B | 226 | 209 | 209 | |
| | | | C | 186 | 79 | 353 | | C | 179 | 149 | 209 | |
| | | | D | 0 | 20 | 49 | | D | 132 | 149 | 149 | |
| 7 | 28,55 | 25,000 | A | 173 | 328 | 46 | 32 | A | 181 | 226 | 136 | 55 |
| | | | B | 458 | 393 | 361 | | B | 251 | 226 | 226 | |
| | | | C | 183 | 79 | 361 | | C | 181 | 136 | 226 | |
| | | | D | 0 | 14 | 46 | | D | 112 | 136 | 136 | |
| 8 | 31,05 | 25,000 | A | 170 | 334 | 43 | 33 | A | 184 | 245 | 123 | 58 |
| | | | B | 475 | 404 | 369 | | B | 278 | 245 | 245 | |
| | | | C | 180 | 78 | 369 | | C | 184 | 123 | 245 | |
| | | | D | 0 | 8 | 43 | | D | 90 | 123 | 123 | |
| 9 | 33,55 | 30,000 | A | 188 | 351 | 52 | 34 | A | 199 | 277 | 121 | 61 |
| | | | B | 495 | 429 | 390 | | B | 318 | 277 | 277 | |
| | | | C | 201 | 91 | 390 | | C | 199 | 121 | 277 | |
| | | | D | 0 | 14 | 52 | | D | 80 | 121 | 121 | |
| 10 | 36,05 | 35,000 | A | 206 | 369 | 61 | 34 | A | 214 | 310 | 118 | 64 |
| | | | B | 518 | 453 | 411 | | B | 360 | 310 | 310 | |
| | | | C | 222 | 103 | 411 | | C | 214 | 118 | 310 | |
| | | | D | 0 | 19 | 61 | | D | 68 | 118 | 118 | |
| 11 | 38,55 | 40,000 | A | 224 | 387 | 70 | 35 | A | 229 | 344 | 115 | 68 |
| | | | B | 538 | 478 | 433 | | B | 403 | 344 | 344 | |
| | | | C | 243 | 115 | 433 | | C | 229 | 115 | 344 | |
| | | | D | 0 | 25 | 70 | | D | 55 | 115 | 115 | |
| 12 | 41,05 | 45,000 | A | 241 | 405 | 79 | 36 | A | 244 | 378 | 111 | 71 |
| | | | B | 581 | 503 | 454 | | B | 448 | 378 | 378 | |
| | | | C | 264 | 127 | 454 | | C | 244 | 111 | 378 | |
| | | | D | 0 | 30 | 79 | | D | 41 | 111 | 111 | |
| 13 | 43,55 | 50,000 | A | 258 | 424 | 87 | 36 | A | 259 | 414 | 105 | 74 |
| | | | B | 584 | 528 | 476 | | B | 484 | 414 | 414 | |
| | | | C | 284 | 139 | 476 | | C | 259 | 105 | 414 | |
| | | | D | 0 | 35 | 87 | | D | 25 | 105 | 105 | |

**Eckkräfte (in kN) in Betrieb und außer Betrieb
Kran fahrbar und stationär, ohne Klettereinrichtung**

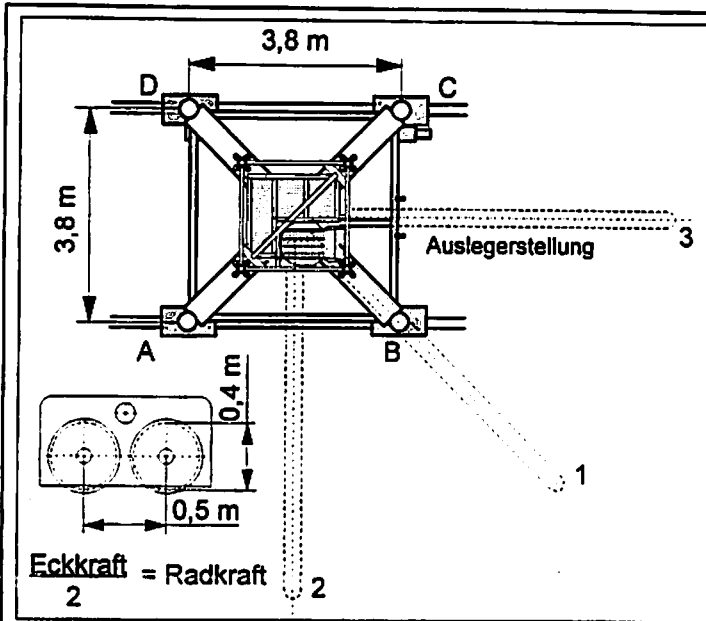
**112 EC-B
auf 120 HC-Turm
und 91 EC-Fundamentkreuz**

Ausladung: 30,00m Spur: 4,6m
Turmstück: 2,50m Grundturmstück: 6,85m Radstand: 4,6m

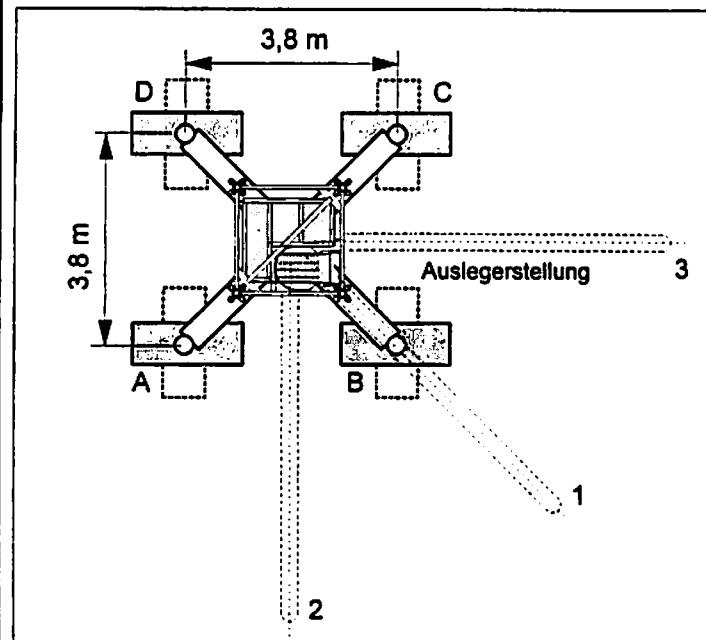
| Zahl d. Turm-Stücke | Haken-höhe [m] | Zentral-ballast [to] | Eckdrücke in Betrieb [kN], MD=130 kNm | | | | | Eckdrücke außer Betrieb [kN], MD=0 | | | | |
|---------------------|----------------|----------------------|---------------------------------------|------------------|-----|-----|---------------|------------------------------------|------------------|-----|-----|---------------|
| | | | Ecke | Auslegerstellung | | | H.-Kraft [kN] | Ecke | Auslegerstellung | | | H.-Kraft [kN] |
| | | | | 1 | 2 | 3 | | | 1 | 2 | 3 | |
| 1 | 13,55 | 25,000 | A | 178 | 291 | 58 | 27 | A | 161 | 120 | 201 | 33 |
| | | | B | 362 | 322 | 307 | | B | 104 | 120 | 120 | |
| | | | C | 187 | 74 | 307 | | C | 161 | 201 | 120 | |
| | | | D | 3 | 43 | 58 | | D | 217 | 201 | 201 | |
| 2 | 16,05 | 25,000 | A | 179 | 296 | 57 | 28 | A | 163 | 130 | 196 | 35 |
| | | | B | 373 | 331 | 314 | | B | 118 | 130 | 130 | |
| | | | C | 188 | 75 | 314 | | C | 163 | 196 | 130 | |
| | | | D | 0 | 39 | 57 | | D | 208 | 196 | 196 | |
| 3 | 18,55 | 25,000 | A | 177 | 301 | 55 | 28 | A | 166 | 150 | 181 | 41 |
| | | | B | 387 | 341 | 321 | | B | 146 | 150 | 150 | |
| | | | C | 187 | 75 | 321 | | C | 166 | 181 | 150 | |
| | | | D | 0 | 34 | 55 | | D | 186 | 181 | 181 | |
| 4 | 21,05 | 25,000 | A | 175 | 306 | 52 | 29 | A | 168 | 168 | 168 | 46 |
| | | | B | 402 | 351 | 328 | | B | 171 | 168 | 168 | |
| | | | C | 185 | 75 | 328 | | C | 168 | 168 | 168 | |
| | | | D | 0 | 29 | 52 | | D | 165 | 168 | 168 | |
| 5 | 23,55 | 25,000 | A | 173 | 311 | 50 | 30 | A | 171 | 184 | 158 | 49 |
| | | | B | 416 | 362 | 336 | | B | 193 | 184 | 184 | |
| | | | C | 182 | 75 | 336 | | C | 171 | 158 | 184 | |
| | | | D | 0 | 24 | 50 | | D | 149 | 158 | 158 | |
| 6 | 26,05 | 25,000 | A | 171 | 316 | 47 | 31 | A | 173 | 201 | 146 | 52 |
| | | | B | 432 | 372 | 344 | | B | 217 | 201 | 201 | |
| | | | C | 180 | 75 | 344 | | C | 173 | 146 | 201 | |
| | | | D | 0 | 19 | 47 | | D | 130 | 146 | 146 | |
| 7 | 28,55 | 25,000 | A | 169 | 321 | 44 | 31 | A | 176 | 218 | 134 | 55 |
| | | | B | 447 | 383 | 352 | | B | 242 | 218 | 218 | |
| | | | C | 177 | 75 | 352 | | C | 176 | 134 | 218 | |
| | | | D | 0 | 13 | 44 | | D | 110 | 134 | 134 | |
| 8 | 31,05 | 30,000 | A | 187 | 339 | 53 | 32 | A | 191 | 249 | 133 | 58 |
| | | | B | 467 | 407 | 373 | | B | 281 | 249 | 249 | |
| | | | C | 199 | 87 | 373 | | C | 191 | 133 | 249 | |
| | | | D | 0 | 20 | 53 | | D | 101 | 133 | 133 | |
| 9 | 33,55 | 35,000 | A | 206 | 357 | 63 | 33 | A | 206 | 281 | 131 | 61 |
| | | | B | 487 | 431 | 394 | | B | 322 | 281 | 281 | |
| | | | C | 220 | 100 | 394 | | C | 206 | 131 | 281 | |
| | | | D | 0 | 26 | 63 | | D | 91 | 131 | 131 | |
| 10 | 36,05 | 40,000 | A | 224 | 375 | 72 | 33 | A | 221 | 314 | 128 | 64 |
| | | | B | 509 | 456 | 415 | | B | 363 | 314 | 314 | |
| | | | C | 241 | 112 | 415 | | C | 221 | 128 | 314 | |
| | | | D | 0 | 31 | 72 | | D | 79 | 128 | 128 | |
| 11 | 38,55 | 45,000 | A | 242 | 393 | 80 | 34 | A | 236 | 348 | 125 | 68 |
| | | | B | 530 | 480 | 437 | | B | 407 | 348 | 348 | |
| | | | C | 262 | 124 | 437 | | C | 236 | 125 | 348 | |
| | | | D | 0 | 37 | 80 | | D | 66 | 125 | 125 | |
| 12 | 41,05 | 50,000 | A | 259 | 411 | 89 | 35 | A | 251 | 383 | 120 | 71 |
| | | | B | 553 | 505 | 459 | | B | 451 | 383 | 383 | |
| | | | C | 283 | 136 | 459 | | C | 251 | 120 | 383 | |
| | | | D | 0 | 42 | 89 | | D | 52 | 120 | 120 | |
| 13 | 43,55 | 55,000 | A | 275 | 430 | 96 | 36 | A | 267 | 418 | 115 | 74 |
| | | | B | 577 | 530 | 482 | | B | 497 | 418 | 418 | |
| | | | C | 302 | 148 | 482 | | C | 267 | 115 | 418 | |
| | | | D | 1 | 47 | 96 | | D | 36 | 115 | 115 | |

Erläuterung zu den nachfolgenden Eckkrafttabellen

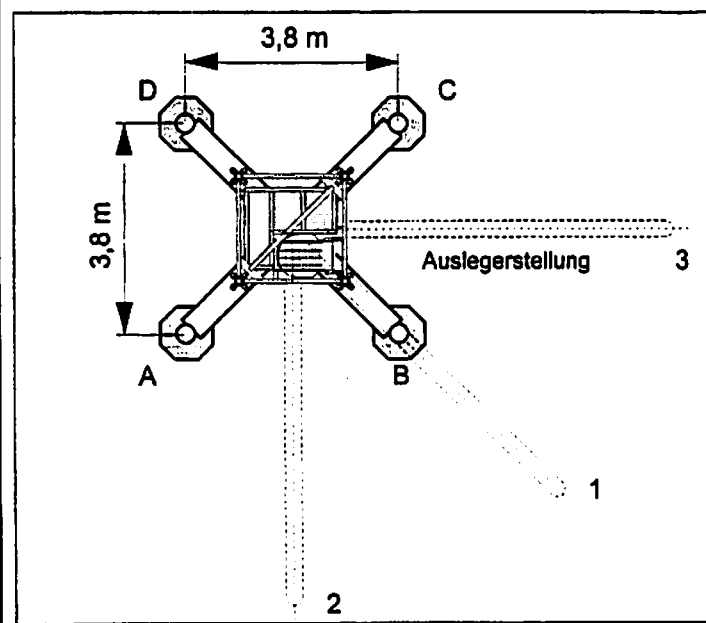
120 EC-B
auf 120 HC - Turm
und 91 EC-Fundamentkreuz



Ausführung 1:
schienenfahrbar auf
Fundamentkreuz



Ausführung 2:
stationär auf
Fundamentkreuz
mit Stützspindeln auf
Fundamentplatten A³



Ausführung 3:
stationär auf
Fundamentkreuz
mit Stützspindeln auf
Abstützplatten

Zentralballast-Aufteilung

112 EC-B
auf 120 HC - Turm
und 91 EC-Fundamentkreuz



Erforderlicher Zentralballast, entsprechend der Hakenhöhe und Ausladung, auflegen ! Eckkrafttabelle

- Gewicht: A3-Fundamentplatte 5,0 t
- B2-Block 5,0 t
- D2-Block 2,5 t

| Zentralballast | Anzahl der Ballastblöcke | |
|----------------|---------------------------|---------------------|
| | Ausführung 2: | Ausführung 1 und 3: |
| 20,0 t | 4 x A3 | 4 x B2 |
| 25,0 t | 4 x A3 + 2 x D2 | 4 x B2 + 2 x D2 |
| 30,0 t | 4 x A3 + 2 x B2 | 6 x B2 |
| 35,0 t | 4 x A3 + 2 x B2 + 2 x D2 | 6 x B2 + 2 x D2 |
| 40,0 t | 4 x A3 + 4 x B2 | 8 x B2 |
| 45,0 t | 4 x A3 + 4 x B2 + 2 x D2 | 8 x B2 + 2 x D2 |
| 50,0 t | 4 x A3 + 6 x B2 | 10 x B2 |
| 55,0 t | 4 x A3 + 6 x B2 + 2 x D2 | 10 x B2 + 2 x D2 |
| 60,0 t | 4 x A3 + 8 x B2 | 12 x B2 |
| 65,0 t | 4 x A3 + 8 x B2 + 2 x D2 | 12 x B2 + 2 x D2 |
| 70,0 t | 4 x A3 + 10 x B2 | 14 x B2 |
| 75,0 t | 4 x A3 + 10 x B2 + 2 x D2 | 14 x B2 + 2 x D2 |
| 80,0 t | 4 x A3 + 12 x B2 | 16 x B2 |
| 85,0 t | 4 x A3 + 12 x B2 + 2 x D2 | 16 x B2 + 2 x D2 |
| 90,0 t | 4 x A3 + 14 x B2 | 18 x B2 |

Jede Arbeitsweise unterlassen, welche die Standsicherheit des Kranes beeinträchtigt.
Während des Beschleunigungsvorganges beim Kranfahren (Anfahren bzw. Bremsen) ist das Lastheben bzw. Lastsenken nicht zulässig !

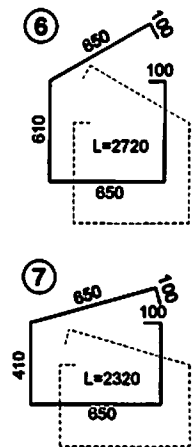
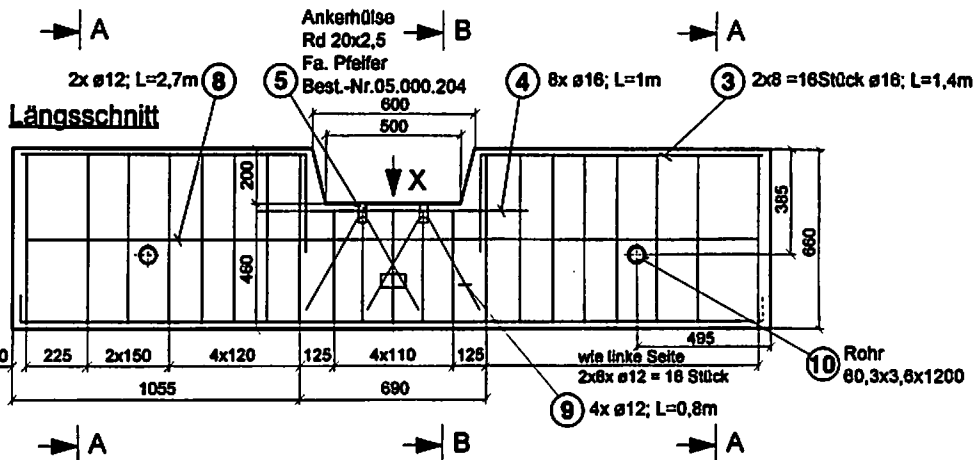
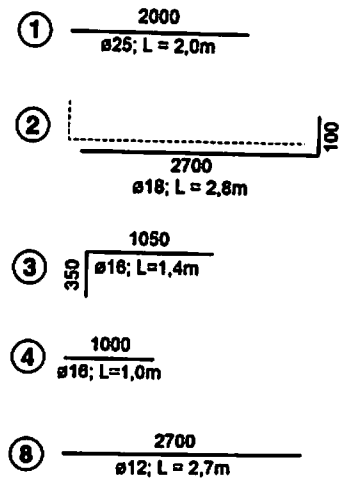
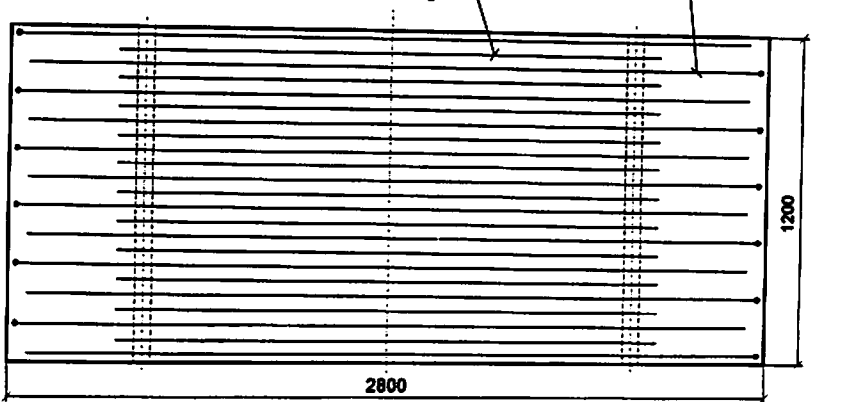
Diese Einschränkung gilt für

| | |
|---|---------------------------------------|
| → | 6,85 m Grundturmstück, 13 Turmstücke |
| → | 10,00 m Grundturmstück, 12 Turmstücke |

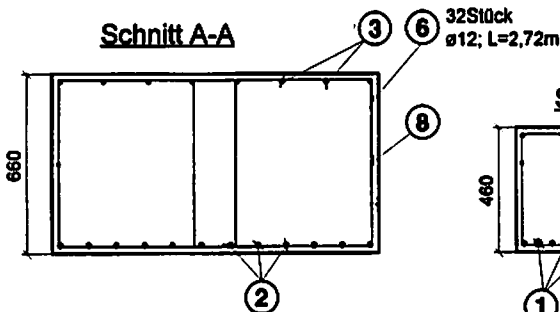
Fundamentplatte "A3"

Zeichn.-Nr. C 153.001-318.413

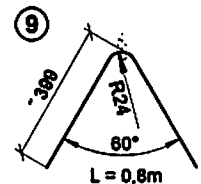
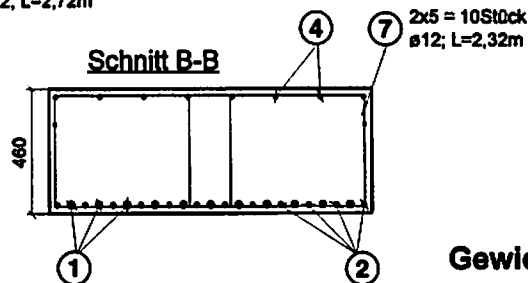
Draufsicht auf die untere Bewehrung



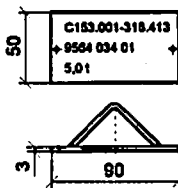
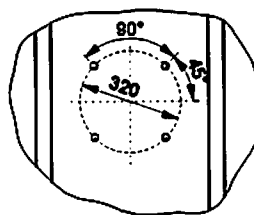
Schnitt A-A



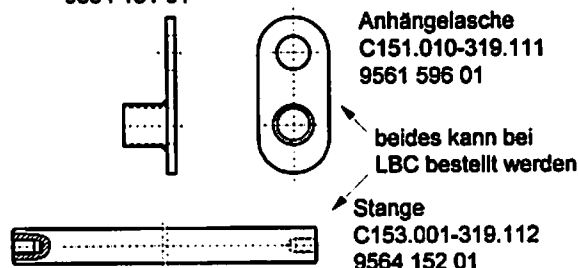
Schnitt B-B



Ansicht X



Anhängevorrichtung
für einen "A3"-Block
C153.001-319.100
9564 151 01



Gewicht: 5,0 t (2,4 t/m²)

Baustahl BSt 500/550
Betondeckung 2cm
Betongüte B25

alle Maße in mm
alle Kanten 20x45° gebrochen

| Teil | Stück | Fundamentplatte "A3" |
|------|-------|---|
| 1 | 11 | $\varnothing 25$, L = 2000 |
| 2 | 12 | $\varnothing 18$, L = 2800 |
| 3 | 16 | $\varnothing 16$, L = 1400 |
| 4 | 8 | $\varnothing 16$, L = 1000 |
| 5 | 4 | Ankerhülse Rd 20x2,50; Fa. Pfeifer, Best.-Nr. 05.000.204 |
| 6 | 32 | $\varnothing 12$, L = 2720 |
| 7 | 10 | $\varnothing 12$, L = 2320 |
| 8 | 2 | $\varnothing 12$, L = 2700 |
| 9 | 4 | $\varnothing 12$, L = 800 |
| 10 | 2 | Rohr 60,3x3,6x1200 |

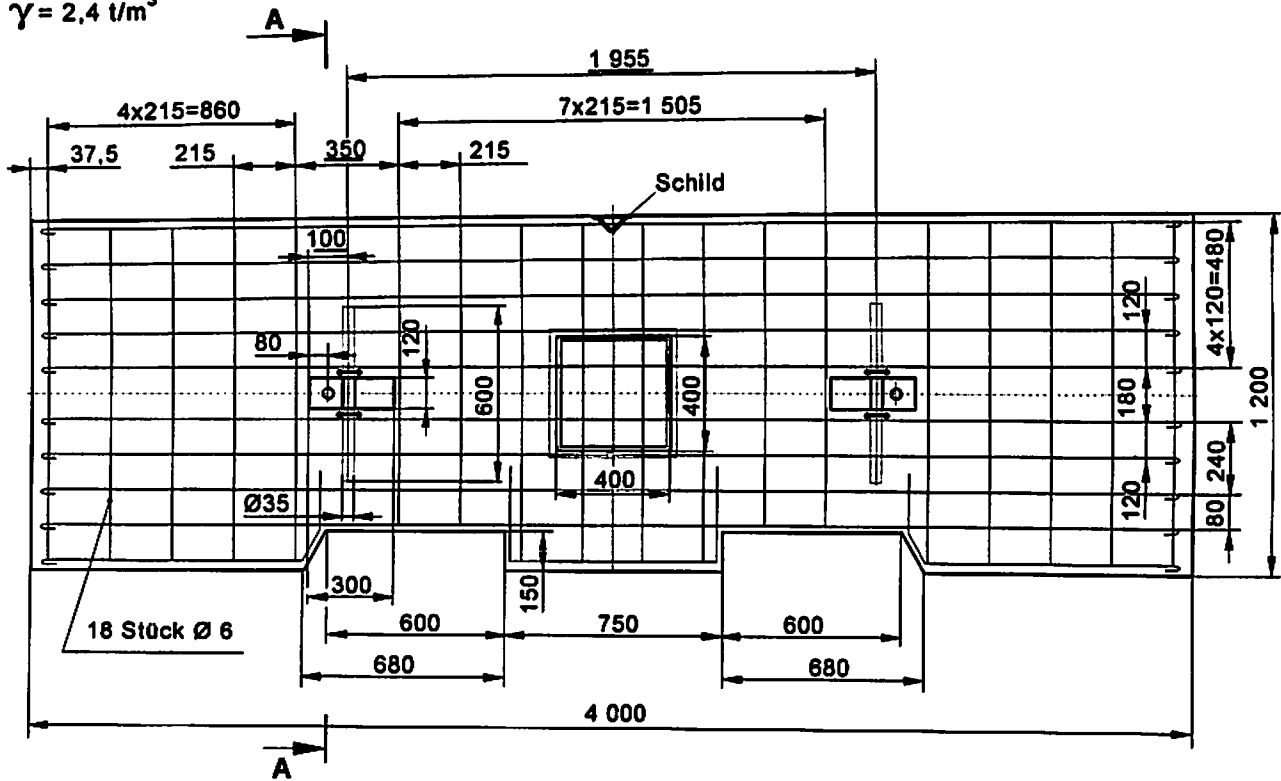
Zentralballastblock "B2"
Gewicht: 5 000 kg

C 150.003 - 318.415

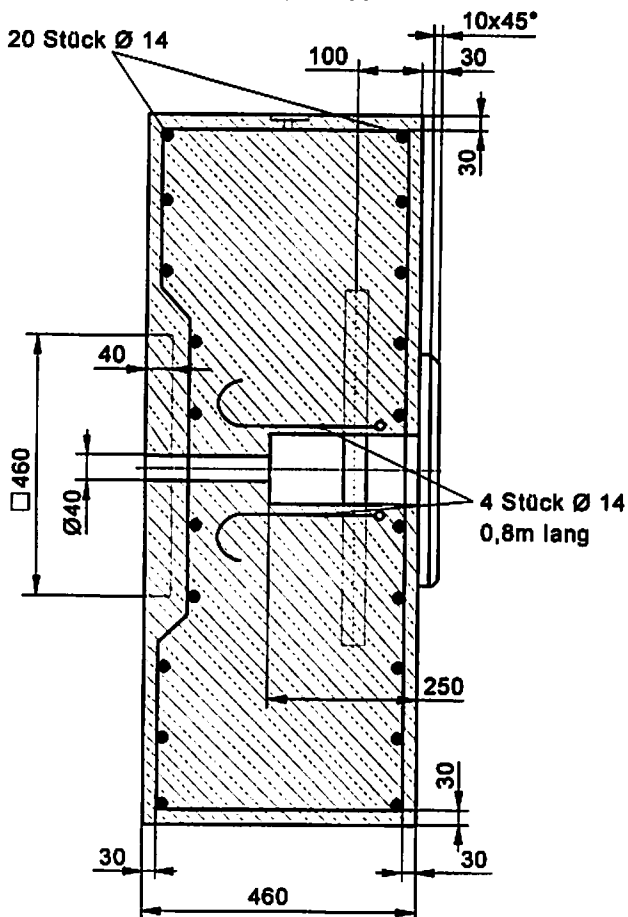
Beton B 25
 Baustahl BSt 500 / 550

alle Maße in mm

$\gamma = 2,4 \text{ t/m}^3$



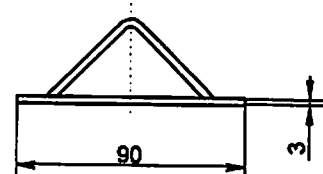
Schnitt A - A



Schild

C 150.003 - 318.415/110
 9560 262 01
 (kann bei LBC bestellt
 werden)

| | | |
|---------------------|---|----|
| C 150.003 - 318.415 | + | 50 |
| + 9560 274 01 | | |
| 5,0 t | | |



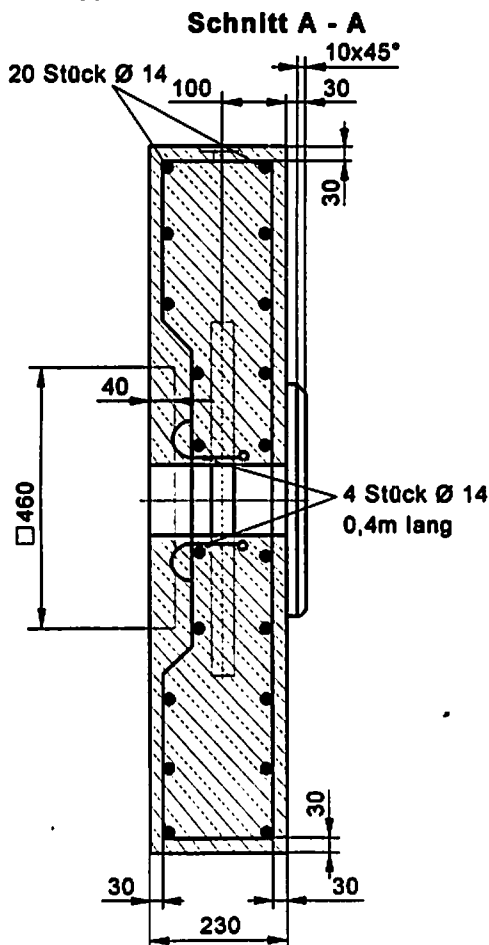
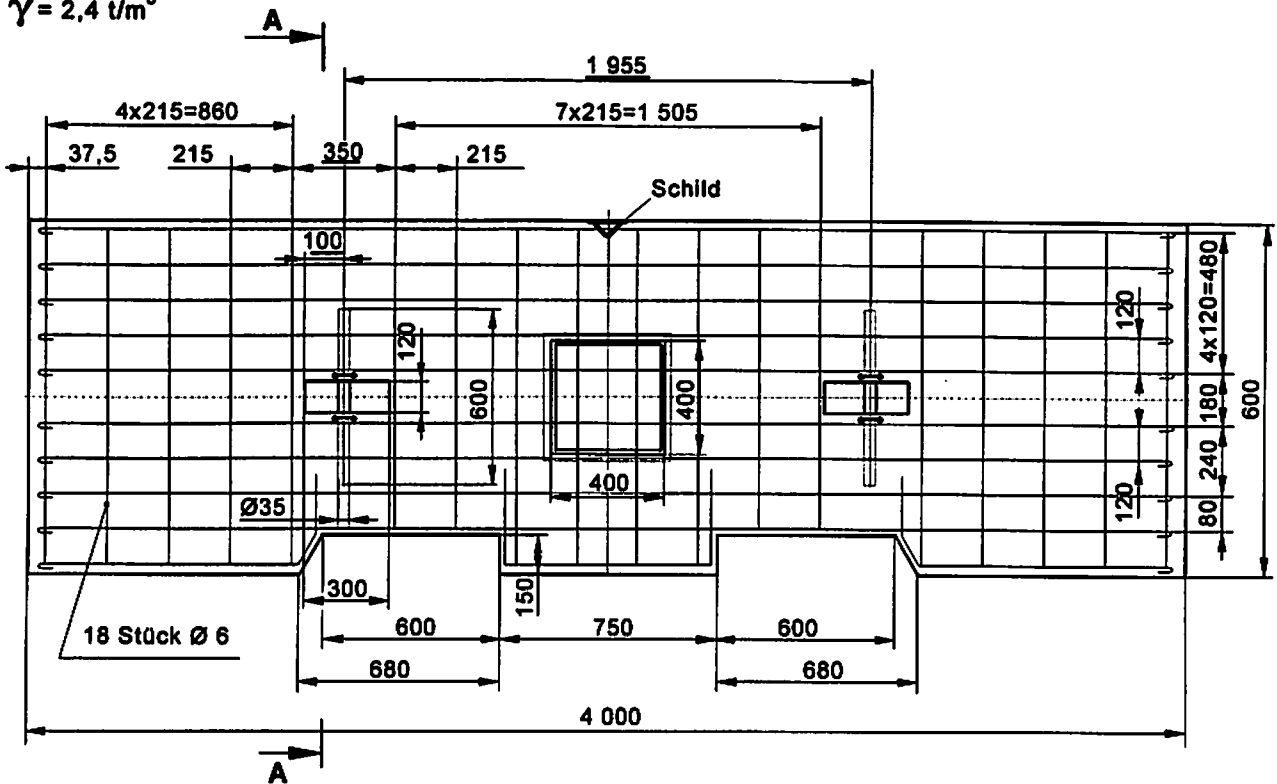
Zentralballastblock "D2"
Gewicht: 2 500 kg

C 150.003 - 318.416

Beton B 25
 Baustahl BSt 500 / 550

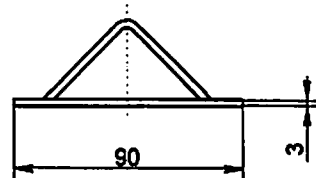
alle Maße in mm

$\gamma = 2,4 \text{ t/m}^3$



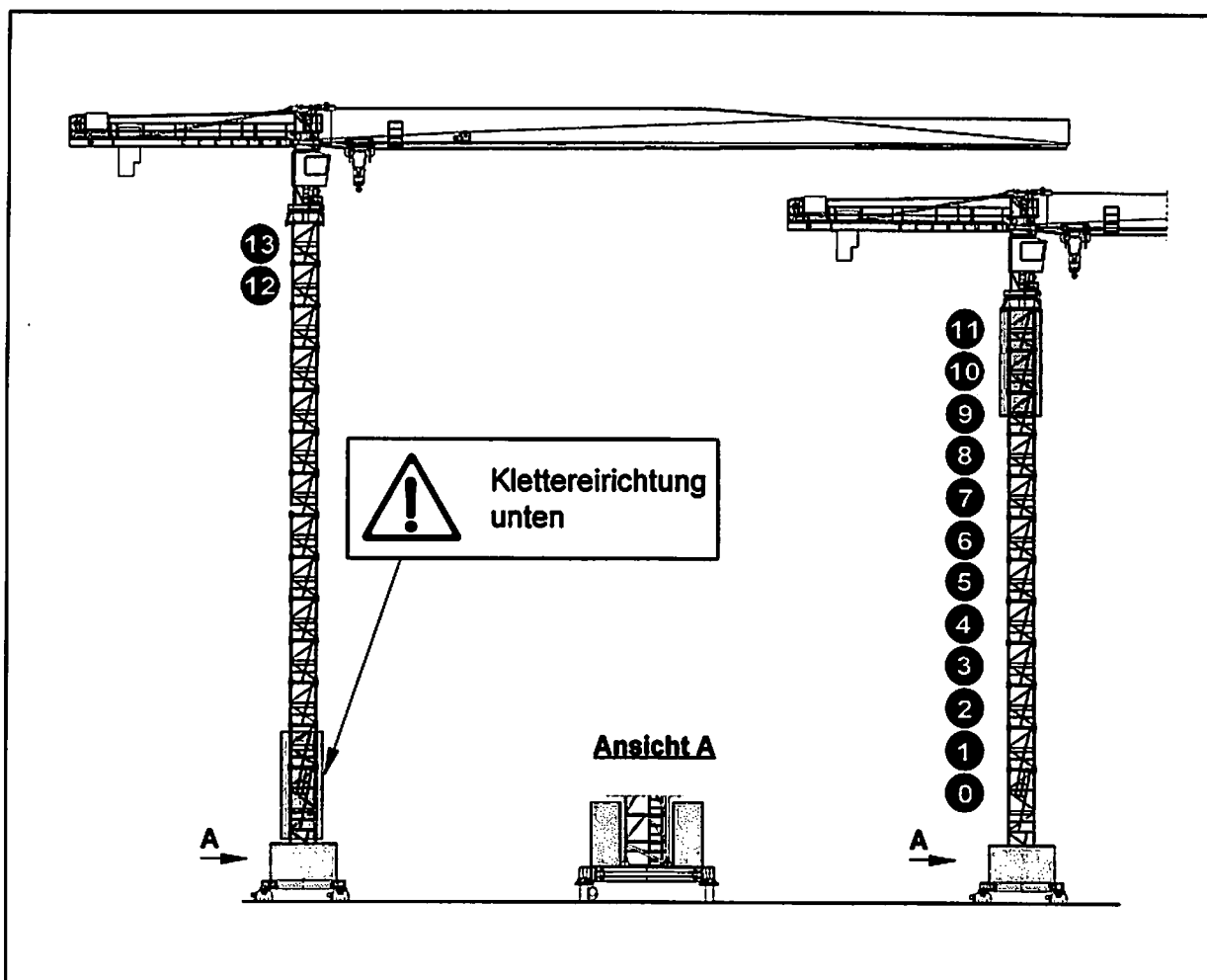
Schild
 C 150.003 - 318.416/110
 9560 264 01
 (kann bei LBC bestellt
 werden)

| | | |
|---------------------|---|----|
| C 150.003 - 318.416 | + | 50 |
| + 9560 278 01 | | |
| 2,5 t | | |



112 EC-B
120 HC - Turm
Turmstücke 2,5 m
Fundamentkreuz 3,8 m
Grundturmstück 6,85 m

Eckkräfte mit Klettereinrichtung



Eckkräfte (in kN) in Betrieb und außer Betrieb
Kran fahrbar und stationär, mit Klettereinrichtung

112 EC-B
auf 120 HC-Turm
und 90 EC-Fundamentkreuz

Ausladung: 50,00m
Turmstück: 2,50m

Grundturmstück: 6,85m

Spur: 3,8m
Radstand: 3,8m

| Zahl d. Turm-Stücke | Haken-höhe [m] | Zentral-ballast [to] | Eckdrücke in Betrieb [kN], MD=190 kNm | | | | | Eckdrücke außer Betrieb [kN], MD=0 | | | | |
|---------------------|----------------|----------------------|---------------------------------------|------------------|-----|-----|---------------|------------------------------------|------------------|-----|-----|---------------|
| | | | Ecke | Auslegerstellung | | | H.-Kraft [kN] | Ecke | Auslegerstellung | | | H.-Kraft [kN] |
| 1 | 13,55 | 30,000 | A | 215 | 345 | 75 | 32 | A | 201 | 165 | 237 | 37 |
| | | | B | 436 | 391 | 370 | B | 152 | 165 | 165 | | |
| | | | C | 230 | 100 | 370 | C | 201 | 237 | 165 | | |
| | | | D | 9 | 54 | 75 | D | 250 | 237 | 237 | | |
| 2 | 16,05 | 30,000 | A | 217 | 350 | 72 | 33 | A | 203 | 182 | 225 | 42 |
| | | | B | 449 | 404 | 378 | B | 176 | 182 | 182 | | |
| | | | C | 233 | 101 | 378 | C | 203 | 225 | 182 | | |
| | | | D | 2 | 47 | 72 | D | 230 | 225 | 225 | | |
| 3 | 18,55 | 30,000 | A | 214 | 355 | 69 | 34 | A | 206 | 208 | 204 | 48 |
| | | | B | 467 | 417 | 387 | B | 213 | 208 | 208 | | |
| | | | C | 231 | 101 | 387 | C | 206 | 204 | 208 | | |
| | | | D | 0 | 39 | 69 | D | 199 | 204 | 204 | | |
| 4 | 21,05 | 30,000 | A | 209 | 361 | 66 | 34 | A | 208 | 232 | 185 | 53 |
| | | | B | 487 | 430 | 395 | B | 247 | 232 | 232 | | |
| | | | C | 226 | 100 | 395 | C | 208 | 185 | 232 | | |
| | | | D | 0 | 31 | 66 | D | 170 | 185 | 185 | | |
| 5 | 23,55 | 35,000 | A | 225 | 378 | 73 | 35 | A | 223 | 264 | 183 | 56 |
| | | | B | 511 | 456 | 418 | B | 288 | 264 | 264 | | |
| | | | C | 246 | 113 | 418 | C | 223 | 183 | 264 | | |
| | | | D | 0 | 35 | 73 | D | 159 | 183 | 183 | | |
| 6 | 26,05 | 35,000 | A | 219 | 384 | 69 | 36 | A | 226 | 294 | 158 | 61 |
| | | | B | 533 | 470 | 427 | B | 331 | 294 | 294 | | |
| | | | C | 241 | 112 | 427 | C | 226 | 158 | 294 | | |
| | | | D | 0 | 26 | 69 | D | 121 | 158 | 158 | | |
| 7 | 28,55 | 35,000 | A | 213 | 390 | 65 | 37 | A | 229 | 318 | 140 | 64 |
| | | | B | 555 | 484 | 437 | B | 366 | 318 | 318 | | |
| | | | C | 235 | 112 | 437 | C | 229 | 140 | 318 | | |
| | | | D | 0 | 18 | 65 | D | 91 | 140 | 140 | | |
| 8 | 31,05 | 40,000 | A | 228 | 408 | 72 | 37 | A | 244 | 355 | 132 | 68 |
| | | | B | 581 | 511 | 460 | B | 415 | 355 | 355 | | |
| | | | C | 254 | 124 | 460 | C | 244 | 132 | 355 | | |
| | | | D | 0 | 20 | 72 | D | 72 | 132 | 132 | | |
| 9 | 33,55 | 45,000 | A | 242 | 426 | 77 | 38 | A | 259 | 394 | 124 | 71 |
| | | | B | 609 | 539 | 484 | B | 466 | 394 | 394 | | |
| | | | C | 273 | 136 | 484 | C | 259 | 124 | 394 | | |
| | | | D | 0 | 23 | 77 | D | 52 | 124 | 124 | | |
| 10 | 36,05 | 55,000 | A | 277 | 457 | 93 | 39 | A | 286 | 446 | 126 | 74 |
| | | | B | 641 | 580 | 524 | B | 531 | 446 | 446 | | |
| | | | C | 316 | 160 | 524 | C | 286 | 126 | 446 | | |
| | | | D | 0 | 38 | 93 | D | 42 | 126 | 126 | | |
| 11 | 38,55 | 60,000 | A | 291 | 475 | 98 | 40 | A | 302 | 487 | 116 | 77 |
| | | | B | 670 | 608 | 549 | B | 585 | 487 | 487 | | |
| | | | C | 334 | 172 | 549 | C | 302 | 116 | 487 | | |
| | | | D | 0 | 40 | 98 | D | 18 | 116 | 116 | | |
| * 12 | 41,05 | 60,000 | A | 298 | 477 | 102 | 40 | A | 304 | 475 | 134 | 75 |
| | | | B | 667 | 611 | 550 | B | 563 | 475 | 475 | | |
| | | | C | 340 | 176 | 550 | C | 304 | 134 | 475 | | |
| | | | D | 0 | 41 | 102 | D | 45 | 134 | 134 | | |
| * 13 | 43,55 | 60,000 | A | 291 | 483 | 98 | 41 | A | 307 | 502 | 112 | 78 |
| | | | B | 691 | 626 | 560 | B | 603 | 502 | 502 | | |
| | | | C | 333 | 174 | 560 | C | 307 | 112 | 502 | | |
| | | | D | 0 | 32 | 98 | D | 11 | 112 | 112 | | |

* Bei diesem Aufbau muß die Klettereinrichtung nach der Montage abgelassen werden!

Eckkräfte (in kN) in Betrieb und außer Betrieb
Kran fahrbar und stationär, mit Klettereinrichtung

112 EC-B
auf 120 HC-Turm
und 90 EC-Fundamentkreuz

Ausladung: 45,00m

Spur: 3,8m

Turmstück: 2,50m

Grundturmstück: 6,85m

Radstand: 3,8m

| Zahl d. Turm-Stücke | Haken-höhe [m] | Zentral-ballast [to] | Eckdrücke in Betrieb [kN], MD=170 kNm | | | | H.-Kraft [kN] | Eckdrücke außer Betrieb [kN], MD=0 | | | | |
|---------------------|----------------|----------------------|---------------------------------------|------------------|-----|-----|---------------|------------------------------------|------------------|-----|-----|---------------|
| | | | Ecke | Auslegerstellung | | | | Ecke | Auslegerstellung | | | H.-Kraft [kN] |
| 1 | 13,55 | 30,000 | A | 213 | 339 | 76 | 32 | A | 198 | 152 | 243 | 37 |
| | | | B | 428 | 384 | 363 | | B | 135 | 152 | 152 | |
| | | | C | 227 | 100 | 363 | | C | 198 | 243 | 152 | |
| | | | D | 11 | 55 | 76 | | D | 260 | 243 | 243 | |
| 2 | 16,05 | 30,000 | A | 215 | 344 | 73 | 32 | A | 200 | 169 | 231 | 42 |
| | | | B | 440 | 396 | 371 | | B | 159 | 169 | 169 | |
| | | | C | 230 | 101 | 371 | | C | 200 | 231 | 169 | |
| | | | D | 4 | 48 | 73 | | D | 241 | 231 | 231 | |
| 3 | 18,55 | 30,000 | A | 214 | 349 | 70 | 33 | A | 203 | 195 | 210 | 48 |
| | | | B | 455 | 409 | 380 | | B | 196 | 195 | 195 | |
| | | | C | 230 | 100 | 380 | | C | 203 | 210 | 195 | |
| | | | D | 0 | 41 | 70 | | D | 209 | 210 | 210 | |
| 4 | 21,05 | 30,000 | A | 209 | 355 | 66 | 34 | A | 205 | 219 | 192 | 53 |
| | | | B | 476 | 422 | 389 | | B | 230 | 219 | 219 | |
| | | | C | 225 | 100 | 389 | | C | 205 | 192 | 219 | |
| | | | D | 0 | 33 | 66 | | D | 181 | 192 | 192 | |
| 5 | 23,55 | 35,000 | A | 225 | 372 | 74 | 35 | A | 220 | 252 | 189 | 56 |
| | | | B | 500 | 449 | 411 | | B | 271 | 252 | 252 | |
| | | | C | 245 | 113 | 411 | | C | 220 | 189 | 252 | |
| | | | D | 0 | 37 | 74 | | D | 169 | 189 | 189 | |
| 6 | 26,05 | 35,000 | A | 219 | 378 | 70 | 35 | A | 223 | 281 | 165 | 61 |
| | | | B | 521 | 462 | 420 | | B | 314 | 281 | 281 | |
| | | | C | 240 | 112 | 420 | | C | 223 | 165 | 281 | |
| | | | D | 0 | 28 | 70 | | D | 132 | 165 | 165 | |
| 7 | 28,55 | 40,000 | A | 235 | 396 | 77 | 36 | A | 238 | 318 | 159 | 64 |
| | | | B | 547 | 489 | 444 | | B | 362 | 318 | 318 | |
| | | | C | 259 | 124 | 444 | | C | 238 | 159 | 318 | |
| | | | D | 0 | 31 | 77 | | D | 114 | 159 | 159 | |
| 8 | 31,05 | 45,000 | A | 250 | 415 | 83 | 37 | A | 253 | 355 | 151 | 68 |
| | | | B | 573 | 516 | 468 | | B | 411 | 355 | 355 | |
| | | | C | 278 | 136 | 468 | | C | 253 | 151 | 355 | |
| | | | D | 0 | 34 | 83 | | D | 95 | 151 | 151 | |
| 9 | 33,55 | 50,000 | A | 264 | 433 | 89 | 37 | A | 268 | 394 | 143 | 71 |
| | | | B | 601 | 544 | 492 | | B | 462 | 394 | 394 | |
| | | | C | 297 | 148 | 492 | | C | 268 | 143 | 394 | |
| | | | D | 0 | 37 | 89 | | D | 75 | 143 | 143 | |
| 10 | 36,05 | 60,000 | A | 298 | 464 | 105 | 38 | A | 296 | 446 | 146 | 74 |
| | | | B | 634 | 584 | 531 | | B | 527 | 446 | 446 | |
| | | | C | 338 | 172 | 531 | | C | 296 | 146 | 446 | |
| | | | D | 2 | 52 | 105 | | D | 65 | 146 | 146 | |
| 11 | 38,55 | 65,000 | A | 311 | 482 | 110 | 39 | A | 311 | 487 | 135 | 77 |
| | | | B | 664 | 612 | 556 | | B | 581 | 487 | 487 | |
| | | | C | 356 | 184 | 556 | | C | 311 | 135 | 487 | |
| | | | D | 2 | 54 | 110 | | D | 41 | 135 | 135 | |
| * 12 | 41,05 | 65,000 | A | 314 | 484 | 114 | 40 | A | 314 | 474 | 153 | 75 |
| | | | B | 665 | 616 | 557 | | B | 559 | 474 | 474 | |
| | | | C | 358 | 188 | 557 | | C | 314 | 153 | 474 | |
| | | | D | 6 | 56 | 114 | | D | 69 | 153 | 153 | |
| * 13 | 43,55 | 65,000 | A | 313 | 490 | 109 | 40 | A | 316 | 501 | 131 | 78 |
| | | | B | 683 | 631 | 567 | | B | 598 | 501 | 501 | |
| | | | C | 357 | 186 | 567 | | C | 316 | 131 | 501 | |
| | | | D | 0 | 46 | 109 | | D | 34 | 131 | 131 | |

* Bei diesem Aufbau muß die Klettereinrichtung nach der Montage abgelassen werden!

Eckkräfte (in kN) in Betrieb und außer Betrieb
Kran fahrbar und stationär, mit Klettereinrichtung

112 EC-B
auf 120 HC-Turm
und 90 EC-Fundamentkreuz

Ausladung: 40,00m
Turmstück: 2,50m

Grundturmstück: 6,85m

Spur: 3,8m
Radstand: 3,8m

| Zahl d. Turm-Stücke | Haken-höhe [m] | Zentral-ballast [to] | Eckdrücke in Betrieb [kN], MD=150 kNm | | | | | Eckdrücke außer Betrieb [kN], MD=0 | | | | |
|---------------------|----------------|----------------------|---------------------------------------|------------------|-----|-----|---------------|------------------------------------|------------------|-----|-----|---------------|
| | | | Ecke | Auslegerstellung | | | H.-Kraft [kN] | Ecke | Auslegerstellung | | | H.-Kraft [kN] |
| | | | | 1 | 2 | 3 | | | 1 | 2 | 3 | |
| 1 | 13,55 | 30,000 | A | 196 | 343 | 59 | 31 | A | 190 | 148 | 232 | 37 |
| | | | B | 444 | 386 | 365 | | B | 133 | 148 | 148 | |
| | | | C | 208 | 81 | 365 | | C | 190 | 232 | 148 | |
| | | | D | 0 | 39 | 59 | | D | 247 | 232 | 232 | |
| 2 | 16,05 | 35,000 | A | 214 | 361 | 67 | 31 | A | 205 | 178 | 232 | 42 |
| | | | B | 465 | 411 | 387 | | B | 170 | 178 | 178 | |
| | | | C | 229 | 94 | 387 | | C | 205 | 232 | 178 | |
| | | | D | 0 | 44 | 67 | | D | 240 | 232 | 232 | |
| 3 | 18,55 | 35,000 | A | 209 | 366 | 64 | 32 | A | 208 | 204 | 211 | 48 |
| | | | B | 485 | 423 | 396 | | B | 207 | 204 | 204 | |
| | | | C | 225 | 94 | 396 | | C | 208 | 211 | 204 | |
| | | | D | 0 | 36 | 64 | | D | 209 | 211 | 211 | |
| 4 | 21,05 | 35,000 | A | 204 | 372 | 60 | 33 | A | 210 | 228 | 193 | 53 |
| | | | B | 505 | 436 | 404 | | B | 241 | 228 | 228 | |
| | | | C | 220 | 93 | 404 | | C | 210 | 193 | 228 | |
| | | | D | 0 | 29 | 60 | | D | 180 | 193 | 193 | |
| 5 | 23,55 | 35,000 | A | 198 | 378 | 57 | 34 | A | 213 | 248 | 178 | 56 |
| | | | B | 526 | 449 | 413 | | B | 270 | 248 | 248 | |
| | | | C | 215 | 92 | 413 | | C | 213 | 178 | 248 | |
| | | | D | 0 | 21 | 57 | | D | 156 | 178 | 178 | |
| 6 | 26,05 | 35,000 | A | 193 | 384 | 52 | 34 | A | 215 | 277 | 154 | 61 |
| | | | B | 548 | 463 | 423 | | B | 313 | 277 | 277 | |
| | | | C | 210 | 92 | 423 | | C | 215 | 154 | 277 | |
| | | | D | 0 | 12 | 52 | | D | 118 | 154 | 154 | |
| 7 | 28,55 | 40,000 | A | 208 | 402 | 60 | 35 | A | 231 | 314 | 147 | 64 |
| | | | B | 573 | 489 | 446 | | B | 360 | 314 | 314 | |
| | | | C | 229 | 104 | 446 | | C | 231 | 147 | 314 | |
| | | | D | 0 | 16 | 60 | | D | 101 | 147 | 147 | |
| 8 | 31,05 | 45,000 | A | 223 | 420 | 66 | 36 | A | 246 | 352 | 140 | 68 |
| | | | B | 599 | 516 | 469 | | B | 409 | 352 | 352 | |
| | | | C | 248 | 115 | 469 | | C | 246 | 140 | 352 | |
| | | | D | 0 | 19 | 66 | | D | 82 | 140 | 140 | |
| 9 | 33,55 | 55,000 | A | 259 | 451 | 83 | 36 | A | 273 | 403 | 144 | 71 |
| | | | B | 630 | 557 | 508 | | B | 472 | 403 | 403 | |
| | | | C | 292 | 140 | 508 | | C | 273 | 144 | 403 | |
| | | | D | 0 | 34 | 83 | | D | 74 | 144 | 144 | |
| 10 | 36,05 | 60,000 | A | 273 | 470 | 88 | 37 | A | 288 | 443 | 134 | 74 |
| | | | B | 658 | 584 | 533 | | B | 525 | 443 | 443 | |
| | | | C | 310 | 151 | 533 | | C | 288 | 134 | 443 | |
| | | | D | 0 | 37 | 88 | | D | 52 | 134 | 134 | |
| 11 | 38,55 | 65,000 | A | 287 | 489 | 94 | 38 | A | 303 | 483 | 124 | 77 |
| | | | B | 687 | 612 | 558 | | B | 579 | 483 | 483 | |
| | | | C | 328 | 162 | 558 | | C | 303 | 124 | 483 | |
| | | | D | 0 | 39 | 94 | | D | 28 | 124 | 124 | |
| * 12 | 41,05 | 65,000 | A | 294 | 491 | 97 | 39 | A | 306 | 471 | 141 | 75 |
| | | | B | 684 | 615 | 559 | | B | 557 | 471 | 471 | |
| | | | C | 334 | 166 | 559 | | C | 306 | 141 | 471 | |
| | | | D | 0 | 41 | 97 | | D | 55 | 141 | 141 | |
| * 13 | 43,55 | 70,000 | A | 308 | 509 | 103 | 39 | A | 321 | 510 | 132 | 78 |
| | | | B | 712 | 643 | 583 | | B | 609 | 510 | 510 | |
| | | | C | 352 | 177 | 583 | | C | 321 | 132 | 510 | |
| | | | D | 0 | 44 | 103 | | D | 33 | 132 | 132 | |

* Bei diesem Aufbau muß die Klettereinrichtung nach der Montage abgelenkt werden!

Eckkräfte (in kN) in Betrieb und außer Betrieb
Kran fahrbar und stationär, mit Klettereinrichtung

112 EC-B
auf 120 HC-Turm
und 90 EC-Fundamentkreuz

Ausladung: 35,00m Spur: 3,8m
Turmstück: 2,50m Grundturmstück: 6,85m Radstand: 3,8m

| Zahl d. Turm-Stücke | Haken-höhe [m] | Zentral-ballast [to] | Eckdrücke in Betrieb [kN], MD=130 kNm | | | | | Eckdrücke außer Betrieb [kN], MD=0 | | | | |
|---------------------|----------------|----------------------|---------------------------------------|------------------|-----|-----|---------------|------------------------------------|------------------|-----|-----|---------------|
| | | | Ecke | Auslegerstellung | | | H.-Kraft [kN] | Ecke | Auslegerstellung | | | H.-Kraft [kN] |
| 1 | 13,55 | 35,000 | A | 209 | 357 | 64 | 30 | A | 200 | 158 | 241 | 37 |
| | | | B | 456 | 399 | 380 | | B | 143 | 158 | 158 | |
| | | | C | 222 | 87 | 380 | | C | 200 | 241 | 158 | |
| | | | D | 0 | 45 | 64 | | D | 257 | 241 | 241 | |
| 2 | 16,05 | 35,000 | A | 204 | 362 | 61 | 31 | A | 202 | 175 | 229 | 42 |
| | | | B | 476 | 411 | 388 | | B | 167 | 175 | 175 | |
| | | | C | 218 | 87 | 388 | | C | 202 | 229 | 175 | |
| | | | D | 0 | 38 | 61 | | D | 237 | 229 | 229 | |
| 3 | 18,55 | 35,000 | A | 199 | 368 | 58 | 31 | A | 205 | 201 | 209 | 48 |
| | | | B | 495 | 424 | 397 | | B | 204 | 201 | 201 | |
| | | | C | 214 | 86 | 397 | | C | 205 | 209 | 201 | |
| | | | D | 0 | 30 | 58 | | D | 206 | 209 | 209 | |
| 4 | 21,05 | 40,000 | A | 216 | 386 | 65 | 32 | A | 220 | 238 | 203 | 53 |
| | | | B | 518 | 449 | 419 | | B | 250 | 238 | 238 | |
| | | | C | 234 | 99 | 419 | | C | 220 | 203 | 238 | |
| | | | D | 0 | 35 | 65 | | D | 190 | 203 | 203 | |
| 5 | 23,55 | 40,000 | A | 210 | 392 | 61 | 33 | A | 223 | 258 | 187 | 56 |
| | | | B | 539 | 463 | 428 | | B | 279 | 258 | 258 | |
| | | | C | 229 | 98 | 428 | | C | 223 | 187 | 258 | |
| | | | D | 0 | 27 | 61 | | D | 166 | 187 | 187 | |
| 6 | 26,05 | 40,000 | A | 204 | 398 | 58 | 34 | A | 225 | 287 | 163 | 61 |
| | | | B | 561 | 476 | 437 | | B | 322 | 287 | 287 | |
| | | | C | 224 | 97 | 437 | | C | 225 | 163 | 287 | |
| | | | D | 0 | 19 | 58 | | D | 128 | 163 | 163 | |
| 7 | 28,55 | 40,000 | A | 198 | 404 | 53 | 34 | A | 228 | 311 | 144 | 64 |
| | | | B | 583 | 490 | 447 | | B | 357 | 311 | 311 | |
| | | | C | 218 | 96 | 447 | | C | 228 | 144 | 311 | |
| | | | D | 0 | 10 | 53 | | D | 98 | 144 | 144 | |
| 8 | 31,05 | 50,000 | A | 235 | 435 | 70 | 35 | A | 255 | 361 | 149 | 68 |
| | | | B | 613 | 529 | 485 | | B | 419 | 361 | 361 | |
| | | | C | 262 | 120 | 485 | | C | 255 | 149 | 361 | |
| | | | D | 0 | 26 | 70 | | D | 92 | 149 | 149 | |
| 9 | 33,55 | 55,000 | A | 250 | 453 | 76 | 36 | A | 270 | 400 | 141 | 71 |
| | | | B | 640 | 557 | 509 | | B | 470 | 400 | 400 | |
| | | | C | 281 | 132 | 509 | | C | 270 | 141 | 400 | |
| | | | D | 0 | 29 | 76 | | D | 71 | 141 | 141 | |
| 10 | 36,05 | 60,000 | A | 264 | 472 | 82 | 36 | A | 286 | 440 | 131 | 74 |
| | | | B | 668 | 584 | 533 | | B | 522 | 440 | 440 | |
| | | | C | 299 | 143 | 533 | | C | 286 | 131 | 440 | |
| | | | D | 0 | 31 | 82 | | D | 49 | 131 | 131 | |
| 11 | 38,55 | 70,000 | A | 299 | 503 | 98 | 37 | A | 313 | 493 | 133 | 77 |
| | | | B | 700 | 625 | 573 | | B | 588 | 493 | 493 | |
| | | | C | 342 | 167 | 573 | | C | 313 | 133 | 493 | |
| | | | D | 0 | 46 | 98 | | D | 38 | 133 | 133 | |
| * 12 | 41,05 | 70,000 | A | 306 | 505 | 102 | 38 | A | 316 | 480 | 151 | 75 |
| | | | B | 697 | 628 | 574 | | B | 566 | 480 | 480 | |
| | | | C | 348 | 170 | 574 | | C | 316 | 151 | 480 | |
| | | | D | 0 | 48 | 102 | | D | 65 | 151 | 151 | |
| * 13 | 43,55 | 70,000 | A | 299 | 512 | 97 | 39 | A | 318 | 508 | 129 | 78 |
| | | | B | 722 | 642 | 584 | | B | 606 | 508 | 508 | |
| | | | C | 341 | 169 | 584 | | C | 318 | 129 | 508 | |
| | | | D | 0 | 38 | 97 | | D | 31 | 129 | 129 | |

* Bei diesem Aufbau muß die Klettereinrichtung nach der Montage abgelassen werden!

Eckkräfte (in kN) in Betrieb und außer Betrieb
Kran fahrbar und stationär, mit Klettereinrichtung

112 EC-B
auf 120 HC-Turm
und 90 EC-Fundamentkreuz

Ausladung: 30,00m
Turmstück: 2,50m

Grundturmstück: 6,85m

Spur: 3,8m
Radstand: 3,8m

| Zahl d. Turm-Stücke | Haken-höhe [m] | Zentral-ballast [to] | Eckdrücke in Betrieb [kN], MD=130 kNm | | | | | Eckdrücke außer Betrieb [kN], MD=0 | | | | |
|---------------------|----------------|----------------------|---------------------------------------|------------------|-----|-----|---------------|------------------------------------|------------------|-----|-----|---------------|
| | | | Ecke | Auslegerstellung | | | H.-Kraft [kN] | Ecke | Auslegerstellung | | | H.-Kraft [kN] |
| | | | | 1 | 2 | 3 | | | 1 | 2 | 3 | |
| 1 | 13,55 | 35,000 | A | 205 | 349 | 63 | 29 | A | 194 | 149 | 239 | 37 |
| | | | B | 444 | 389 | 370 | | B | 133 | 149 | 149 | |
| | | | C | 217 | 84 | 370 | | C | 194 | 239 | 149 | |
| | | | D | 0 | 44 | 63 | | D | 256 | 239 | 239 | |
| 2 | 16,05 | 35,000 | A | 200 | 354 | 60 | 30 | A | 197 | 167 | 227 | 42 |
| | | | B | 463 | 401 | 378 | | B | 157 | 167 | 167 | |
| | | | C | 213 | 84 | 378 | | C | 197 | 227 | 167 | |
| | | | D | 0 | 37 | 60 | | D | 237 | 227 | 227 | |
| 3 | 18,55 | 35,000 | A | 195 | 360 | 57 | 31 | A | 200 | 193 | 207 | 48 |
| | | | B | 483 | 413 | 387 | | B | 194 | 193 | 193 | |
| | | | C | 209 | 84 | 387 | | C | 200 | 207 | 193 | |
| | | | D | 0 | 30 | 57 | | D | 205 | 207 | 207 | |
| 4 | 21,05 | 40,000 | A | 213 | 378 | 64 | 31 | A | 215 | 229 | 200 | 53 |
| | | | B | 506 | 439 | 409 | | B | 240 | 229 | 229 | |
| | | | C | 229 | 96 | 409 | | C | 215 | 200 | 229 | |
| | | | D | 0 | 35 | 64 | | D | 189 | 200 | 200 | |
| 5 | 23,55 | 40,000 | A | 207 | 384 | 61 | 32 | A | 217 | 249 | 185 | 56 |
| | | | B | 526 | 452 | 418 | | B | 269 | 249 | 249 | |
| | | | C | 224 | 95 | 418 | | C | 217 | 185 | 249 | |
| | | | D | 0 | 27 | 61 | | D | 165 | 185 | 185 | |
| 6 | 26,05 | 40,000 | A | 201 | 390 | 56 | 33 | A | 220 | 278 | 161 | 61 |
| | | | B | 548 | 465 | 428 | | B | 312 | 278 | 278 | |
| | | | C | 219 | 94 | 428 | | C | 220 | 161 | 278 | |
| | | | D | 0 | 19 | 56 | | D | 128 | 161 | 161 | |
| 7 | 28,55 | 45,000 | A | 217 | 409 | 64 | 33 | A | 235 | 315 | 155 | 64 |
| | | | B | 573 | 492 | 451 | | B | 360 | 315 | 315 | |
| | | | C | 238 | 105 | 451 | | C | 235 | 155 | 315 | |
| | | | D | 0 | 23 | 64 | | D | 110 | 155 | 155 | |
| 8 | 31,05 | 50,000 | A | 232 | 427 | 70 | 34 | A | 250 | 353 | 147 | 68 |
| | | | B | 599 | 518 | 474 | | B | 409 | 353 | 353 | |
| | | | C | 257 | 117 | 474 | | C | 250 | 147 | 353 | |
| | | | D | 0 | 26 | 70 | | D | 91 | 147 | 147 | |
| 9 | 33,55 | 60,000 | A | 269 | 458 | 86 | 35 | A | 278 | 404 | 151 | 71 |
| | | | B | 630 | 558 | 513 | | B | 472 | 404 | 404 | |
| | | | C | 301 | 141 | 513 | | C | 278 | 151 | 404 | |
| | | | D | 0 | 41 | 86 | | D | 83 | 151 | 151 | |
| 10 | 36,05 | 65,000 | A | 283 | 477 | 92 | 36 | A | 293 | 444 | 142 | 74 |
| | | | B | 658 | 586 | 538 | | B | 524 | 444 | 444 | |
| | | | C | 319 | 152 | 538 | | C | 293 | 142 | 444 | |
| | | | D | 0 | 44 | 92 | | D | 61 | 142 | 142 | |
| 11 | 38,55 | 70,000 | A | 297 | 497 | 98 | 36 | A | 308 | 484 | 131 | 77 |
| | | | B | 686 | 613 | 562 | | B | 578 | 484 | 484 | |
| | | | C | 337 | 163 | 562 | | C | 308 | 131 | 484 | |
| | | | D | 0 | 47 | 98 | | D | 37 | 131 | 131 | |
| * 12 | 41,05 | 70,000 | A | 304 | 499 | 101 | 37 | A | 310 | 472 | 149 | 75 |
| | | | B | 683 | 616 | 564 | | B | 556 | 472 | 472 | |
| | | | C | 343 | 167 | 564 | | C | 310 | 149 | 472 | |
| | | | D | 0 | 49 | 101 | | D | 65 | 149 | 149 | |
| * 13 | 43,55 | 75,000 | A | 319 | 518 | 107 | 38 | A | 326 | 511 | 140 | 78 |
| | | | B | 711 | 643 | 588 | | B | 609 | 511 | 511 | |
| | | | C | 361 | 178 | 588 | | C | 326 | 140 | 511 | |
| | | | D | 0 | 52 | 107 | | D | 42 | 140 | 140 | |

* Bei diesem Aufbau muß die Klettereinrichtung nach der Montage abgelenkt werden!

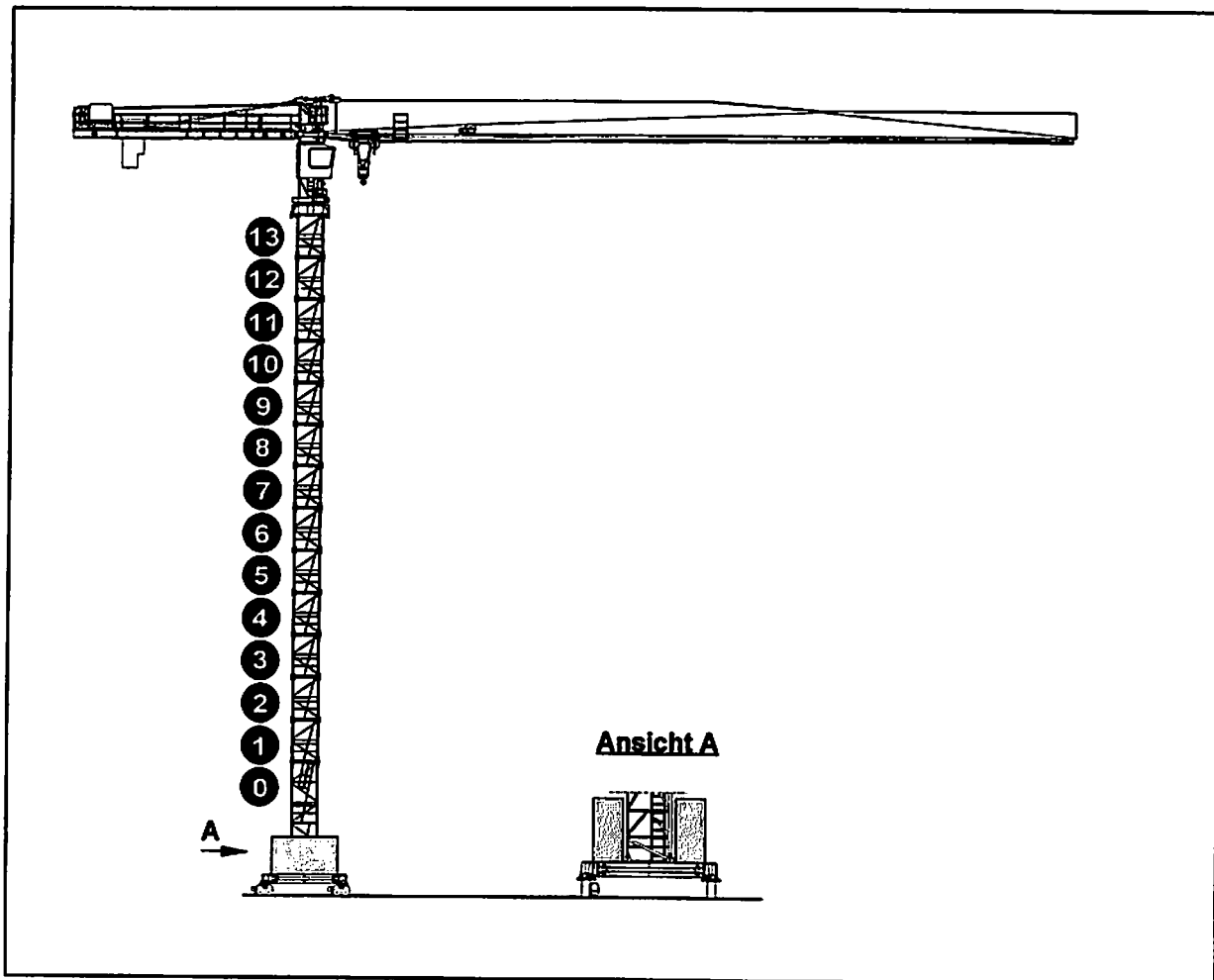
112 EC-B
120 HC - Turm
Turmstücke 2,5 m
Fundamentkreuz 3,8 m
Grundturmstück 6,85 m

Eckkräfte

ohne Klettereinrichtung



auch bei Montage und Demontage



Mr. Busch

Eckkräfte (in kN) in Betrieb und außer Betrieb
Kran fahrbar und stationär, ohne Klettereinrichtung

112 EC-B
auf 120 HC-Turm
und 90 EC-Fundamentkreuz

Ausladung: 50,00m
Turmstück: 2,50m Grundturmstück: 6,85m Spur: 3,8m Radstand: 3,8m

| Zahl d. Turm-Stücke | Haken-höhe [m] | Zentral-ballast [to] | Eckdrücke in Betrieb [kN], MD=190 kNm | | | | | Eckdrücke außer Betrieb [kN], MD=0 | | | | |
|---------------------|----------------|----------------------|---------------------------------------|------------------|-----|-----|---------------|------------------------------------|------------------|-----|-----|---------------|
| | | | Ecke | Auslegerstellung | | | H.-Kraft [kN] | Ecke | Auslegerstellung | | | H.-Kraft [kN] |
| | | | | 1 | 2 | 3 | | | 1 | 2 | 3 | |
| 1 | 13,55 | 35,000 | A | 216 | 346 | 77 | 30 | A | 203 | 162 | 243 | 33 |
| | | | B | 437 | 391 | 373 | | B | 147 | 162 | 162 | |
| | | | C | 234 | 104 | 373 | | C | 203 | 243 | 162 | |
| | | | D | 13 | 59 | 77 | | D | 259 | 243 | 243 | |
| 2 | 16,05 | 35,000 | A | 217 | 350 | 74 | 31 | A | 205 | 175 | 236 | 35 |
| | | | B | 448 | 402 | 381 | | B | 164 | 175 | 175 | |
| | | | C | 238 | 105 | 381 | | C | 205 | 236 | 175 | |
| | | | D | 7 | 53 | 74 | | D | 247 | 236 | 236 | |
| 3 | 18,55 | 35,000 | A | 219 | 355 | 71 | 32 | A | 208 | 198 | 218 | 41 |
| | | | B | 460 | 414 | 389 | | B | 197 | 198 | 198 | |
| | | | C | 241 | 105 | 389 | | C | 208 | 218 | 198 | |
| | | | D | 0 | 46 | 71 | | D | 219 | 218 | 218 | |
| 4 | 21,05 | 35,000 | A | 215 | 360 | 68 | 32 | A | 211 | 220 | 201 | 46 |
| | | | B | 479 | 426 | 397 | | B | 227 | 220 | 220 | |
| | | | C | 238 | 106 | 397 | | C | 211 | 201 | 220 | |
| | | | D | 0 | 39 | 68 | | D | 194 | 201 | 201 | |
| 5 | 23,55 | 35,000 | A | 210 | 365 | 65 | 33 | A | 213 | 238 | 189 | 49 |
| | | | B | 498 | 439 | 405 | | B | 252 | 238 | 238 | |
| | | | C | 234 | 106 | 405 | | C | 213 | 189 | 238 | |
| | | | D | 0 | 32 | 65 | | D | 174 | 189 | 189 | |
| 6 | 26,05 | 35,000 | A | 205 | 370 | 62 | 34 | A | 216 | 258 | 174 | 52 |
| | | | B | 517 | 451 | 414 | | B | 281 | 258 | 258 | |
| | | | C | 230 | 106 | 414 | | C | 216 | 174 | 258 | |
| | | | D | 0 | 24 | 62 | | D | 151 | 174 | 174 | |
| 7 | 28,55 | 35,000 | A | 199 | 376 | 59 | 34 | A | 218 | 279 | 158 | 55 |
| | | | B | 538 | 464 | 422 | | B | 311 | 279 | 279 | |
| | | | C | 225 | 105 | 422 | | C | 218 | 158 | 279 | |
| | | | D | 0 | 16 | 59 | | D | 126 | 158 | 158 | |
| 8 | 31,05 | 35,000 | A | 194 | 381 | 55 | 35 | A | 221 | 301 | 141 | 58 |
| | | | B | 558 | 478 | 431 | | B | 343 | 301 | 301 | |
| | | | C | 220 | 105 | 431 | | C | 221 | 141 | 301 | |
| | | | D | 0 | 8 | 55 | | D | 99 | 141 | 141 | |
| 9 | 33,55 | 40,000 | A | 210 | 399 | 62 | 36 | A | 236 | 336 | 136 | 61 |
| | | | B | 583 | 504 | 454 | | B | 389 | 336 | 336 | |
| | | | C | 240 | 117 | 454 | | C | 236 | 136 | 336 | |
| | | | D | 0 | 12 | 62 | | D | 83 | 136 | 136 | |
| 10 | 36,05 | 45,000 | A | 225 | 417 | 68 | 37 | A | 251 | 373 | 129 | 64 |
| | | | B | 609 | 531 | 478 | | B | 436 | 373 | 373 | |
| | | | C | 259 | 129 | 478 | | C | 251 | 129 | 373 | |
| | | | D | 0 | 15 | 68 | | D | 66 | 129 | 129 | |
| 11 | 38,55 | 50,000 | A | 239 | 435 | 74 | 37 | A | 266 | 410 | 122 | 68 |
| | | | B | 636 | 559 | 502 | | B | 485 | 410 | 410 | |
| | | | C | 278 | 141 | 502 | | C | 266 | 122 | 410 | |
| | | | D | 0 | 18 | 74 | | D | 47 | 122 | 122 | |
| 12 | 41,05 | 60,000 | A | 274 | 466 | 90 | 38 | A | 294 | 462 | 126 | 71 |
| | | | B | 668 | 599 | 542 | | B | 548 | 462 | 462 | |
| | | | C | 322 | 166 | 542 | | C | 294 | 126 | 462 | |
| | | | D | 0 | 33 | 90 | | D | 39 | 126 | 126 | |
| 13 | 43,55 | 65,000 | A | 288 | 484 | 95 | 39 | A | 309 | 501 | 117 | 74 |
| | | | B | 696 | 627 | 567 | | B | 601 | 501 | 501 | |
| | | | C | 340 | 178 | 567 | | C | 309 | 117 | 501 | |
| | | | D | 0 | 35 | 95 | | D | 17 | 117 | 117 | |

Eckkräfte (in kN) in Betrieb und außer Betrieb
Kran fahrbar und stationär, ohne Klettereinrichtung

112 EC-B
auf 120 HC-Turm
und 90 EC-Fundamentkreuz

Ausladung: **45,00m** Spur: **3,8m**
Turmstück: **2,50m** Grundturmstück: **6,85m** Radstand: **3,8m**

| Zahl d. Turm-Stücke | Haken-höhe [m] | Zentral-ballast [to] | Eckdrücke in Betrieb [kN], MD=170 kNm | | | | | Eckdrücke außer Betrieb [kN], MD=0 | | | | |
|---------------------|----------------|----------------------|---------------------------------------|------------------|-----|-----|---------------|------------------------------------|------------------|-----|-----|---------------|
| | | | Ecke | Auslegerstellung | | | H.-Kraft [kN] | Ecke | Auslegerstellung | | | H.-Kraft [kN] |
| | | | | 1 | 2 | 3 | | | 1 | 2 | 3 | |
| 1 | 13,55 | 35,000 | A | 213 | 339 | 78 | 29 | A | 200 | 150 | 250 | 33 |
| | | | B | 429 | 383 | 366 | | B | 130 | 150 | 150 | |
| | | | C | 231 | 104 | 366 | | C | 200 | 250 | 150 | |
| | | | D | 15 | 60 | 78 | | D | 270 | 250 | 250 | |
| 2 | 16,05 | 35,000 | A | 215 | 344 | 75 | 30 | A | 202 | 162 | 243 | 35 |
| | | | B | 440 | 395 | 374 | | B | 147 | 162 | 162 | |
| | | | C | 234 | 105 | 374 | | C | 202 | 243 | 162 | |
| | | | D | 9 | 54 | 75 | | D | 258 | 243 | 243 | |
| 3 | 18,55 | 35,000 | A | 217 | 349 | 72 | 31 | A | 205 | 185 | 224 | 41 |
| | | | B | 451 | 407 | 382 | | B | 180 | 185 | 185 | |
| | | | C | 237 | 105 | 382 | | C | 205 | 224 | 185 | |
| | | | D | 3 | 48 | 72 | | D | 230 | 224 | 224 | |
| 4 | 21,05 | 35,000 | A | 215 | 354 | 69 | 32 | A | 208 | 207 | 208 | 46 |
| | | | B | 467 | 419 | 390 | | B | 210 | 207 | 207 | |
| | | | C | 237 | 105 | 390 | | C | 208 | 208 | 207 | |
| | | | D | 0 | 41 | 69 | | D | 205 | 208 | 208 | |
| 5 | 23,55 | 35,000 | A | 210 | 359 | 66 | 32 | A | 210 | 225 | 195 | 49 |
| | | | B | 486 | 431 | 398 | | B | 236 | 225 | 225 | |
| | | | C | 233 | 105 | 398 | | C | 210 | 195 | 225 | |
| | | | D | 0 | 33 | 66 | | D | 185 | 195 | 195 | |
| 6 | 26,05 | 35,000 | A | 205 | 364 | 63 | 33 | A | 213 | 245 | 181 | 52 |
| | | | B | 506 | 444 | 407 | | B | 264 | 245 | 245 | |
| | | | C | 229 | 105 | 407 | | C | 213 | 181 | 245 | |
| | | | D | 0 | 26 | 63 | | D | 161 | 181 | 181 | |
| 7 | 28,55 | 35,000 | A | 200 | 370 | 60 | 34 | A | 215 | 266 | 165 | 55 |
| | | | B | 526 | 457 | 415 | | B | 294 | 266 | 266 | |
| | | | C | 224 | 105 | 415 | | C | 215 | 165 | 266 | |
| | | | D | 0 | 18 | 60 | | D | 136 | 165 | 165 | |
| 8 | 31,05 | 40,000 | A | 216 | 388 | 67 | 34 | A | 230 | 300 | 160 | 58 |
| | | | B | 550 | 483 | 438 | | B | 338 | 300 | 300 | |
| | | | C | 244 | 117 | 438 | | C | 230 | 160 | 300 | |
| | | | D | 0 | 22 | 67 | | D | 122 | 160 | 160 | |
| 9 | 33,55 | 45,000 | A | 232 | 406 | 73 | 35 | A | 246 | 336 | 155 | 61 |
| | | | B | 575 | 509 | 462 | | B | 384 | 336 | 336 | |
| | | | C | 264 | 130 | 462 | | C | 246 | 155 | 336 | |
| | | | D | 0 | 26 | 73 | | D | 107 | 155 | 155 | |
| 10 | 36,05 | 50,000 | A | 247 | 424 | 80 | 36 | A | 261 | 373 | 149 | 64 |
| | | | B | 601 | 536 | 486 | | B | 432 | 373 | 373 | |
| | | | C | 283 | 142 | 486 | | C | 261 | 149 | 373 | |
| | | | D | 0 | 29 | 80 | | D | 89 | 149 | 149 | |
| 11 | 38,55 | 55,000 | A | 261 | 442 | 86 | 37 | A | 276 | 410 | 141 | 68 |
| | | | B | 628 | 563 | 510 | | B | 481 | 410 | 410 | |
| | | | C | 302 | 154 | 510 | | C | 276 | 141 | 410 | |
| | | | D | 0 | 32 | 86 | | D | 71 | 141 | 141 | |
| 12 | 41,05 | 65,000 | A | 297 | 473 | 102 | 37 | A | 303 | 461 | 145 | 71 |
| | | | B | 659 | 603 | 549 | | B | 544 | 461 | 461 | |
| | | | C | 346 | 178 | 549 | | C | 303 | 145 | 461 | |
| | | | D | 0 | 47 | 102 | | D | 63 | 145 | 145 | |
| 13 | 43,55 | 70,000 | A | 311 | 491 | 107 | 38 | A | 318 | 501 | 136 | 74 |
| | | | B | 688 | 631 | 574 | | B | 596 | 501 | 501 | |
| | | | C | 364 | 190 | 574 | | C | 318 | 136 | 501 | |
| | | | D | 0 | 50 | 107 | | D | 40 | 136 | 136 | |

Eckkräfte (in kN) in Betrieb und außer Betrieb
Kran fahrbar und stationär, ohne Klettereinrichtung

112 EC-B
auf 120 HC-Turm
und 90 EC-Fundamentkreuz

Ausladung: 40,00m Spur: 3,8m
Turmstück: 2,50m Grundturmstück: 6,85m Radstand: 3,8m

| Zahl d. Turm-Stücke | Haken-höhe [m] | Zentral-ballast [to] | Eckdrücke in Betrieb [kN], MD=150 kNm | | | | | Eckdrücke außer Betrieb [kN], MD=0 | | | | |
|---------------------|----------------|----------------------|---------------------------------------|------------------|-----|-----|---------------|------------------------------------|------------------|-----|-----|---------------|
| | | | Ecke | Auslegerstellung | | | H.-Kraft [kN] | Ecke | Auslegerstellung | | | H.-Kraft [kN] |
| | | | | 1 | 2 | 3 | | | 1 | 2 | 3 | |
| 1 | 13,55 | 35,000 | A | 200 | 344 | 61 | 29 | A | 192 | 146 | 238 | 33 |
| | | | B | 441 | 385 | 368 | | B | 128 | 146 | 146 | |
| | | | C | 216 | 85 | 368 | | C | 192 | 238 | 146 | |
| | | | D | 0 | 44 | 61 | | D | 256 | 238 | 238 | |
| 2 | 16,05 | 35,000 | A | 196 | 349 | 58 | 29 | A | 195 | 158 | 231 | 35 |
| | | | B | 458 | 396 | 376 | | B | 145 | 158 | 158 | |
| | | | C | 213 | 85 | 376 | | C | 195 | 231 | 158 | |
| | | | D | 0 | 38 | 58 | | D | 245 | 231 | 231 | |
| 3 | 18,55 | 35,000 | A | 192 | 354 | 55 | 30 | A | 197 | 182 | 213 | 41 |
| | | | B | 476 | 408 | 384 | | B | 178 | 182 | 182 | |
| | | | C | 210 | 85 | 384 | | C | 197 | 213 | 182 | |
| | | | D | 0 | 31 | 55 | | D | 217 | 213 | 213 | |
| 4 | 21,05 | 40,000 | A | 210 | 371 | 63 | 31 | A | 213 | 216 | 209 | 46 |
| | | | B | 497 | 432 | 406 | | B | 221 | 216 | 216 | |
| | | | C | 232 | 98 | 406 | | C | 213 | 209 | 216 | |
| | | | D | 0 | 37 | 63 | | D | 204 | 209 | 209 | |
| 5 | 23,55 | 40,000 | A | 205 | 376 | 60 | 31 | A | 215 | 234 | 196 | 49 |
| | | | B | 516 | 445 | 414 | | B | 246 | 234 | 234 | |
| | | | C | 228 | 98 | 414 | | C | 215 | 196 | 234 | |
| | | | D | 0 | 30 | 60 | | D | 184 | 196 | 196 | |
| 6 | 26,05 | 40,000 | A | 200 | 382 | 57 | 32 | A | 218 | 254 | 182 | 52 |
| | | | B | 535 | 457 | 423 | | B | 275 | 254 | 254 | |
| | | | C | 224 | 98 | 423 | | C | 218 | 182 | 254 | |
| | | | D | 0 | 22 | 57 | | D | 161 | 182 | 182 | |
| 7 | 28,55 | 40,000 | A | 195 | 388 | 54 | 33 | A | 220 | 275 | 166 | 55 |
| | | | B | 556 | 470 | 431 | | B | 305 | 275 | 275 | |
| | | | C | 219 | 97 | 431 | | C | 220 | 166 | 275 | |
| | | | D | 0 | 15 | 54 | | D | 136 | 166 | 166 | |
| 8 | 31,05 | 40,000 | A | 190 | 394 | 50 | 34 | A | 223 | 297 | 149 | 58 |
| | | | B | 576 | 483 | 440 | | B | 337 | 297 | 297 | |
| | | | C | 214 | 96 | 440 | | C | 223 | 149 | 297 | |
| | | | D | 0 | 7 | 50 | | D | 109 | 149 | 149 | |
| 9 | 33,55 | 45,000 | A | 205 | 412 | 57 | 34 | A | 238 | 332 | 144 | 61 |
| | | | B | 601 | 509 | 463 | | B | 382 | 332 | 332 | |
| | | | C | 234 | 108 | 463 | | C | 238 | 144 | 332 | |
| | | | D | 0 | 11 | 57 | | D | 93 | 144 | 144 | |
| 10 | 36,05 | 50,000 | A | 221 | 430 | 63 | 35 | A | 253 | 369 | 137 | 64 |
| | | | B | 627 | 536 | 487 | | B | 430 | 369 | 369 | |
| | | | C | 253 | 120 | 487 | | C | 253 | 137 | 369 | |
| | | | D | 0 | 14 | 63 | | D | 76 | 137 | 137 | |
| 11 | 38,55 | 60,000 | A | 257 | 461 | 80 | 36 | A | 281 | 419 | 142 | 68 |
| | | | B | 657 | 576 | 526 | | B | 491 | 419 | 419 | |
| | | | C | 297 | 145 | 526 | | C | 281 | 142 | 419 | |
| | | | D | 0 | 30 | 80 | | D | 70 | 142 | 142 | |
| 12 | 41,05 | 65,000 | A | 271 | 479 | 85 | 36 | A | 296 | 458 | 134 | 71 |
| | | | B | 685 | 603 | 550 | | B | 542 | 458 | 458 | |
| | | | C | 315 | 156 | 550 | | C | 296 | 134 | 458 | |
| | | | D | 0 | 33 | 85 | | D | 49 | 134 | 134 | |
| 13 | 43,55 | 70,000 | A | 285 | 498 | 91 | 37 | A | 311 | 497 | 124 | 74 |
| | | | B | 713 | 630 | 575 | | B | 594 | 497 | 497 | |
| | | | C | 334 | 168 | 575 | | C | 311 | 124 | 497 | |
| | | | D | 0 | 35 | 91 | | D | 27 | 124 | 124 | |

Eckkräfte (in kN) in Betrieb und außer Betrieb
Kran fahrbar und stationär, ohne Klettereinrichtung

112 EC-B
auf 120 HC-Turm
und 90 EC-Fundamentkreuz

Ausladung: 35,00m Spur: 3,8m
Turmstück: 2,50m Grundturmstück: 6,85m Radstand: 3,8m

| Zahl d. Turm-Stücke | Haken-höhe [m] | Zentral-ballast [to] | Eckdrücke in Betrieb [kN], MD=130 kNm | | | | | Eckdrücke außer Betrieb [kN], MD=0 | | | | |
|---------------------|----------------|----------------------|---------------------------------------|------------------|-----|-----|---------------|------------------------------------|------------------|-----|-----|---------------|
| | | | Ecke | Auslegerstellung | | | H.-Kraft [kN] | Ecke | Auslegerstellung | | | H.-Kraft [kN] |
| 1 | 13,55 | 40,000 | A | 213 | 357 | 66 | 28 | A | 202 | 156 | 248 | 33 |
| | | | B | 453 | 398 | 382 | | B | 138 | 156 | 156 | |
| | | | C | 230 | 91 | 382 | | C | 202 | 248 | 156 | |
| | | | D | 0 | 50 | 66 | | D | 266 | 248 | 248 | |
| 2 | 16,05 | 40,000 | A | 209 | 362 | 63 | 28 | A | 205 | 168 | 241 | 35 |
| | | | B | 470 | 410 | 390 | | B | 155 | 168 | 168 | |
| | | | C | 227 | 91 | 390 | | C | 205 | 241 | 168 | |
| | | | D | 0 | 44 | 63 | | D | 255 | 241 | 241 | |
| 3 | 18,55 | 40,000 | A | 205 | 368 | 60 | 29 | A | 207 | 192 | 223 | 41 |
| | | | B | 488 | 421 | 398 | | B | 188 | 192 | 192 | |
| | | | C | 224 | 91 | 398 | | C | 207 | 223 | 192 | |
| | | | D | 0 | 37 | 60 | | D | 227 | 223 | 223 | |
| 4 | 21,05 | 40,000 | A | 200 | 373 | 57 | 30 | A | 210 | 213 | 206 | 46 |
| | | | B | 507 | 433 | 407 | | B | 218 | 213 | 213 | |
| | | | C | 221 | 91 | 407 | | C | 210 | 206 | 213 | |
| | | | D | 0 | 31 | 57 | | D | 202 | 206 | 206 | |
| 5 | 23,55 | 40,000 | A | 195 | 378 | 54 | 31 | A | 212 | 231 | 194 | 49 |
| | | | B | 526 | 445 | 415 | | B | 243 | 231 | 231 | |
| | | | C | 217 | 91 | 415 | | C | 212 | 194 | 231 | |
| | | | D | 0 | 24 | 54 | | D | 181 | 194 | 194 | |
| 6 | 26,05 | 45,000 | A | 212 | 396 | 61 | 31 | A | 227 | 264 | 191 | 52 |
| | | | B | 548 | 470 | 438 | | B | 284 | 264 | 264 | |
| | | | C | 238 | 103 | 438 | | C | 227 | 191 | 264 | |
| | | | D | 0 | 29 | 61 | | D | 171 | 191 | 191 | |
| 7 | 28,55 | 45,000 | A | 207 | 402 | 58 | 32 | A | 230 | 285 | 176 | 55 |
| | | | B | 569 | 483 | 446 | | B | 315 | 285 | 285 | |
| | | | C | 233 | 102 | 446 | | C | 230 | 176 | 285 | |
| | | | D | 0 | 21 | 58 | | D | 146 | 176 | 176 | |
| 8 | 31,05 | 45,000 | A | 201 | 408 | 54 | 33 | A | 233 | 307 | 159 | 58 |
| | | | B | 590 | 496 | 455 | | B | 346 | 307 | 307 | |
| | | | C | 228 | 102 | 455 | | C | 233 | 159 | 307 | |
| | | | D | 0 | 13 | 54 | | D | 119 | 159 | 159 | |
| 9 | 33,55 | 45,000 | A | 196 | 414 | 51 | 34 | A | 235 | 330 | 141 | 61 |
| | | | B | 611 | 510 | 464 | | B | 380 | 330 | 330 | |
| | | | C | 223 | 101 | 464 | | C | 235 | 141 | 330 | |
| | | | D | 0 | 5 | 51 | | D | 91 | 141 | 141 | |
| 10 | 36,05 | 55,000 | A | 233 | 445 | 67 | 34 | A | 263 | 379 | 147 | 64 |
| | | | B | 640 | 549 | 502 | | B | 440 | 379 | 379 | |
| | | | C | 267 | 125 | 502 | | C | 263 | 147 | 379 | |
| | | | D | 0 | 21 | 67 | | D | 86 | 147 | 147 | |
| 11 | 38,55 | 60,000 | A | 247 | 463 | 73 | 35 | A | 278 | 416 | 139 | 68 |
| | | | B | 667 | 576 | 527 | | B | 489 | 416 | 416 | |
| | | | C | 286 | 137 | 527 | | C | 278 | 139 | 416 | |
| | | | D | 0 | 24 | 73 | | D | 67 | 139 | 139 | |
| 12 | 41,05 | 65,000 | A | 262 | 482 | 79 | 36 | A | 293 | 455 | 131 | 71 |
| | | | B | 694 | 603 | 551 | | B | 539 | 455 | 455 | |
| | | | C | 304 | 148 | 551 | | C | 293 | 131 | 455 | |
| | | | D | 0 | 27 | 79 | | D | 47 | 131 | 131 | |
| 13 | 43,55 | 75,000 | A | 297 | 513 | 95 | 36 | A | 321 | 507 | 134 | 74 |
| | | | B | 726 | 643 | 590 | | B | 604 | 507 | 507 | |
| | | | C | 347 | 172 | 590 | | C | 321 | 134 | 507 | |
| | | | D | 0 | 42 | 95 | | D | 37 | 134 | 134 | |

Eckkräfte (in kN) in Betrieb und außer Betrieb
Kran fahrbar und stationär, ohne Klettereinrichtung

112 EC-B
auf 120 HC-Turm
und 90 EC-Fundamentkreuz

Ausladung: 30,00m
Turmstück: 2,50m

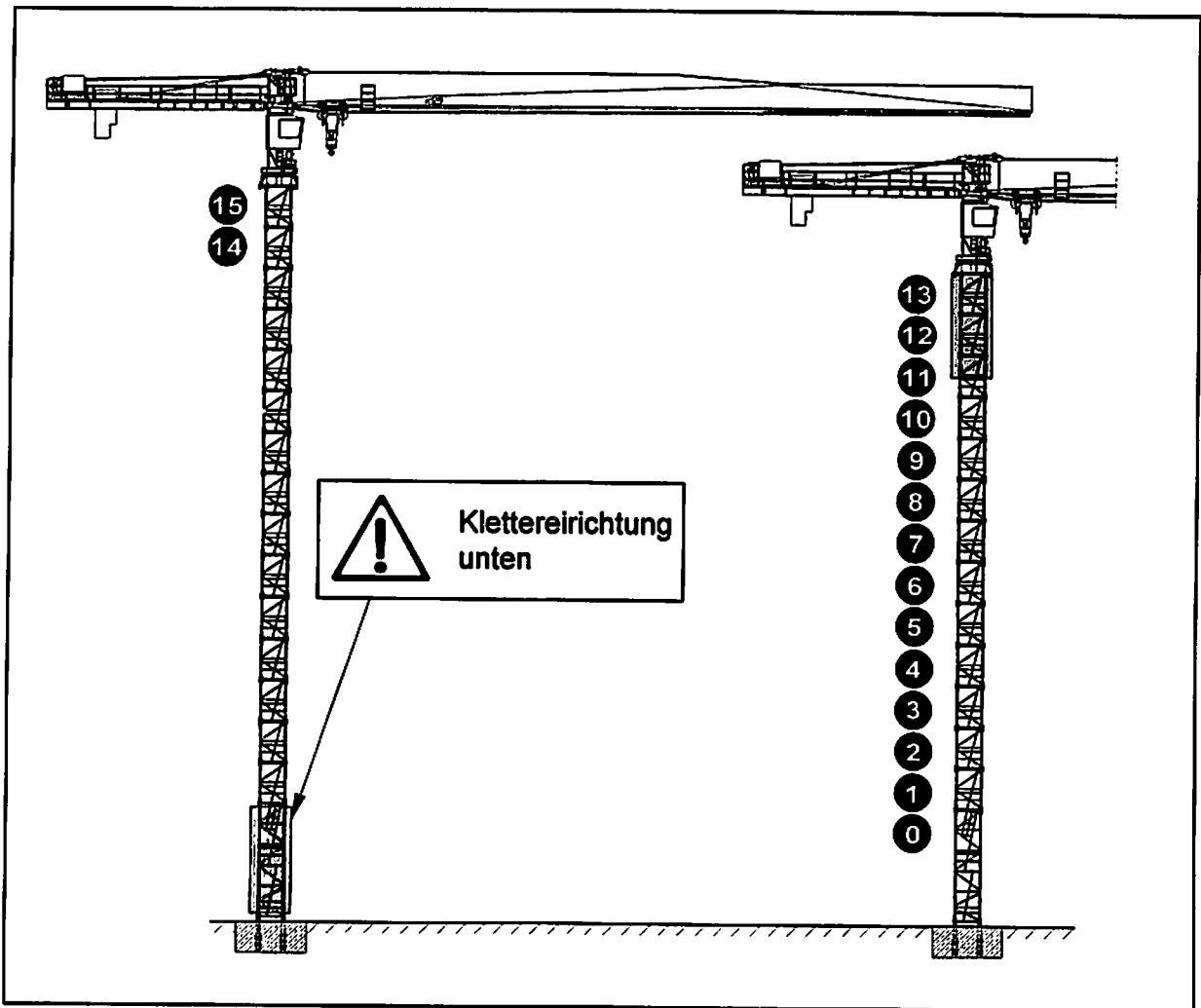
Grundturmstück: 6,85m

Spur: 3,8m
Radstand: 3,8m

| Zahl d. Turm-Stücke | Haken-höhe [m] | Zentral-ballast [to] | Eckdrücke in Betrieb [kN], MD=130 kNm | | | | | Eckdrücke außer Betrieb [kN], MD=0 | | | | |
|---------------------|----------------|----------------------|---------------------------------------|------------------|-----|-----|---------------|------------------------------------|------------------|-----|-----|---------------|
| | | | Ecke | Auslegerstellung | | | H.-Kraft [kN] | Ecke | Auslegerstellung | | | H.-Kraft [kN] |
| | | | | 1 | 2 | 3 | | | 1 | 2 | 3 | |
| 1 | 13,55 | 40,000 | A | 209 | 349 | 65 | 27 | A | 197 | 147 | 246 | 33 |
| | | | B | 441 | 388 | 372 | | B | 128 | 147 | 147 | |
| | | | C | 225 | 88 | 372 | | C | 197 | 246 | 147 | |
| | | | D | 0 | 49 | 65 | | D | 265 | 246 | 246 | |
| 2 | 16,05 | 40,000 | A | 205 | 354 | 62 | 28 | A | 199 | 159 | 239 | 35 |
| | | | B | 458 | 399 | 380 | | B | 145 | 159 | 159 | |
| | | | C | 222 | 88 | 380 | | C | 199 | 239 | 159 | |
| | | | D | 0 | 43 | 62 | | D | 254 | 239 | 239 | |
| 3 | 18,55 | 40,000 | A | 201 | 360 | 59 | 28 | A | 202 | 183 | 221 | 41 |
| | | | B | 476 | 411 | 388 | | B | 178 | 183 | 183 | |
| | | | C | 219 | 88 | 388 | | C | 202 | 221 | 183 | |
| | | | D | 0 | 37 | 59 | | D | 226 | 221 | 221 | |
| 4 | 21,05 | 40,000 | A | 197 | 365 | 56 | 29 | A | 204 | 205 | 204 | 46 |
| | | | B | 494 | 422 | 397 | | B | 208 | 205 | 205 | |
| | | | C | 215 | 88 | 397 | | C | 204 | 204 | 205 | |
| | | | D | 0 | 31 | 56 | | D | 201 | 204 | 204 | |
| 5 | 23,55 | 40,000 | A | 192 | 371 | 53 | 30 | A | 207 | 222 | 192 | 49 |
| | | | B | 513 | 434 | 405 | | B | 233 | 222 | 222 | |
| | | | C | 212 | 88 | 405 | | C | 207 | 192 | 222 | |
| | | | D | 0 | 24 | 53 | | D | 181 | 192 | 192 | |
| 6 | 26,05 | 45,000 | A | 209 | 389 | 61 | 31 | A | 222 | 255 | 189 | 52 |
| | | | B | 535 | 459 | 427 | | B | 274 | 255 | 255 | |
| | | | C | 232 | 100 | 427 | | C | 222 | 189 | 255 | |
| | | | D | 0 | 29 | 61 | | D | 170 | 189 | 189 | |
| 7 | 28,55 | 45,000 | A | 204 | 395 | 57 | 31 | A | 225 | 276 | 173 | 55 |
| | | | B | 555 | 472 | 436 | | B | 305 | 276 | 276 | |
| | | | C | 228 | 99 | 436 | | C | 225 | 173 | 276 | |
| | | | D | 0 | 22 | 57 | | D | 145 | 173 | 173 | |
| 8 | 31,05 | 45,000 | A | 199 | 401 | 54 | 32 | A | 227 | 298 | 157 | 58 |
| | | | B | 576 | 485 | 445 | | B | 336 | 298 | 298 | |
| | | | C | 223 | 98 | 445 | | C | 227 | 157 | 298 | |
| | | | D | 0 | 14 | 54 | | D | 118 | 157 | 157 | |
| 9 | 33,55 | 50,000 | A | 215 | 419 | 61 | 33 | A | 242 | 333 | 151 | 61 |
| | | | B | 601 | 511 | 468 | | B | 382 | 333 | 333 | |
| | | | C | 242 | 110 | 468 | | C | 242 | 151 | 333 | |
| | | | D | 0 | 18 | 61 | | D | 103 | 151 | 151 | |
| 10 | 36,05 | 55,000 | A | 230 | 438 | 67 | 33 | A | 257 | 370 | 145 | 64 |
| | | | B | 626 | 537 | 492 | | B | 430 | 370 | 370 | |
| | | | C | 262 | 121 | 492 | | C | 257 | 145 | 370 | |
| | | | D | 0 | 22 | 67 | | D | 85 | 145 | 145 | |
| 11 | 38,55 | 65,000 | A | 267 | 469 | 84 | 34 | A | 285 | 420 | 150 | 68 |
| | | | B | 656 | 577 | 531 | | B | 491 | 420 | 420 | |
| | | | C | 306 | 146 | 531 | | C | 285 | 150 | 420 | |
| | | | D | 0 | 37 | 84 | | D | 79 | 150 | 150 | |
| 12 | 41,05 | 70,000 | A | 282 | 487 | 90 | 35 | A | 300 | 459 | 141 | 71 |
| | | | B | 683 | 604 | 555 | | B | 542 | 459 | 459 | |
| | | | C | 324 | 157 | 555 | | C | 300 | 141 | 459 | |
| | | | D | 0 | 41 | 90 | | D | 58 | 141 | 141 | |
| 13 | 43,55 | 75,000 | A | 296 | 507 | 95 | 36 | A | 315 | 498 | 132 | 74 |
| | | | B | 711 | 631 | 580 | | B | 594 | 498 | 498 | |
| | | | C | 342 | 168 | 580 | | C | 315 | 132 | 498 | |
| | | | D | 0 | 44 | 95 | | D | 36 | 132 | 132 | |

112 EC-B
120 HC - Turm
Turmstücke 2,5 m
Grundturmstück 6,85 m
Kran stationär auf Fundamentanker

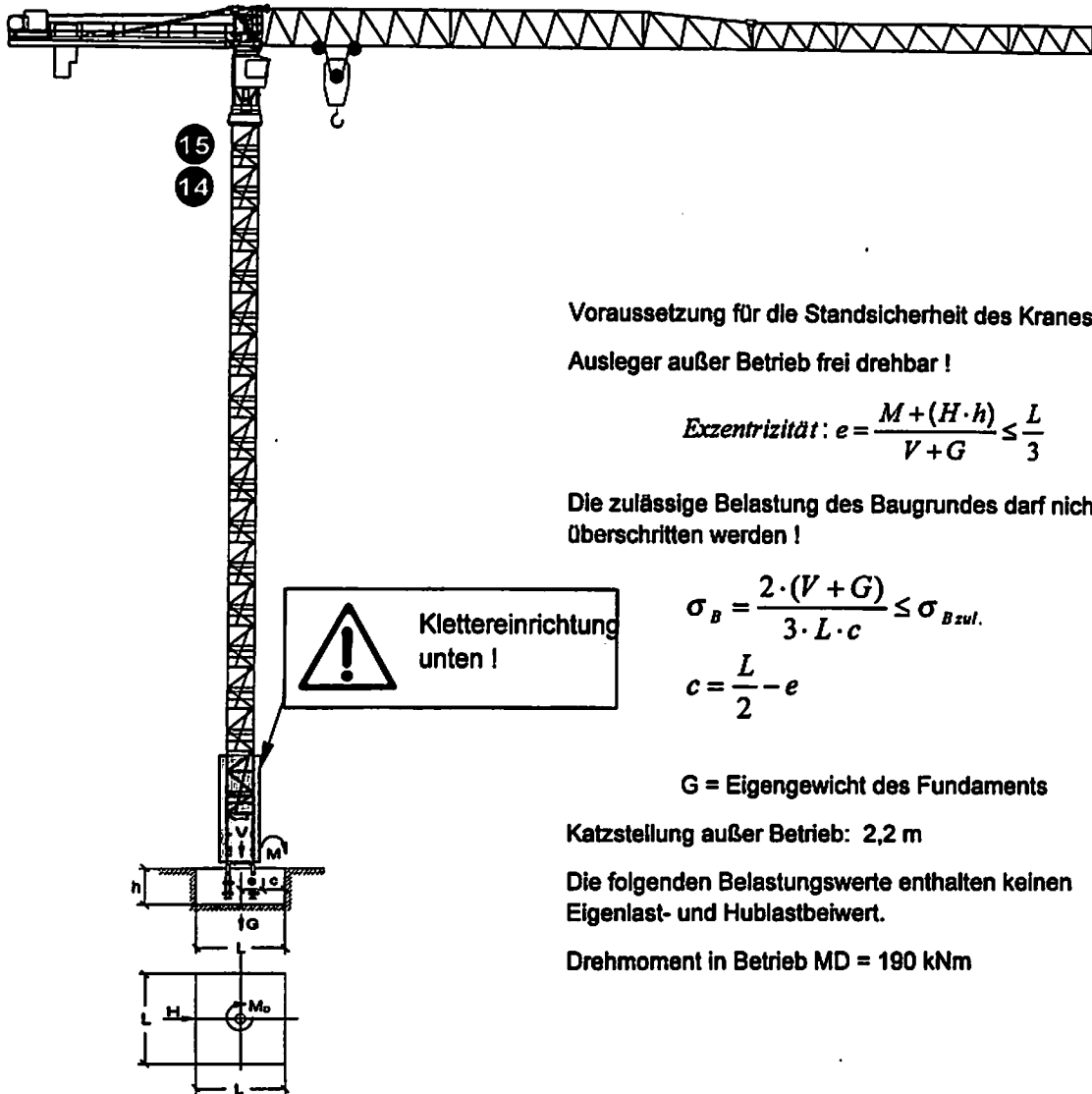
Fundamentbelastung mit Klettereinrichtung



Fundamentbelastung
Kran stationär

112 EC-B
auf 120 HC-Turm

Ausladung: 50,00 m
Turmstück: 2,50 m
Grundturmstück: 6,85 m



Voraussetzung für die Standsicherheit des Kranes ist:
Ausleger außer Betrieb frei drehbar !

$$\text{Exzentrizität: } e = \frac{M + (H \cdot h)}{V + G} \leq \frac{L}{3}$$

Die zulässige Belastung des Baugrundes darf nicht überschritten werden !

$$\sigma_B = \frac{2 \cdot (V + G)}{3 \cdot L \cdot c} \leq \sigma_{Bzul}$$

$$c = \frac{L}{2} - e$$

G = Eigengewicht des Fundaments

Katzstellung außer Betrieb: 2,2 m

Die folgenden Belastungswerte enthalten keinen Eigenlast- und Hublastbeitrag.

Drehmoment in Betrieb MD = 190 kNm

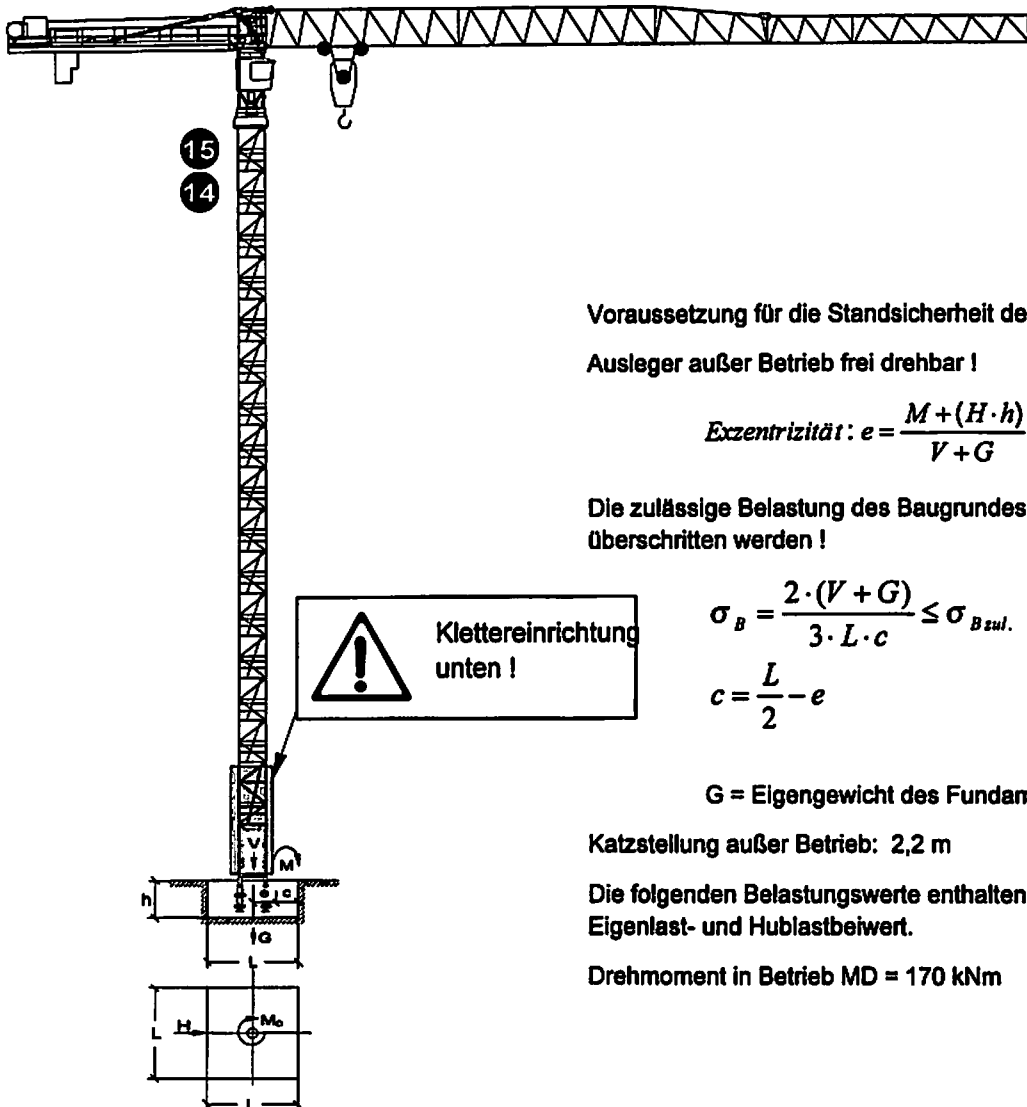
| Zahl d. Turmstücke | Hakenhöhe | Kran in Betrieb | | | Kran außer Betrieb | | | Kran in Montage | | |
|--------------------|-----------|-----------------|--------|--------|--------------------|--------|--------|-----------------|--------|--------|
| | | M [kNm] | H [kN] | V [kN] | M [kNm] | H [kN] | V [kN] | M [kNm] | H [kN] | V [kN] |
| 1 | 12,1 | 1073 | 28 | 465 | 870 | 23 | 443 | 914 | 9 | 237 |
| 2 | 14,6 | 1119 | 29 | 475 | 953 | 27 | 454 | 939 | 10 | 248 |
| 3 | 17,1 | 1167 | 30 | 485 | 1030 | 29 | 464 | 965 | 11 | 258 |
| 4 | 19,6 | 1217 | 30 | 496 | 1212 | 35 | 474 | 993 | 12 | 268 |
| 5 | 22,1 | 1268 | 31 | 506 | 1308 | 37 | 485 | 1023 | 12 | 279 |
| 6 | 24,6 | 1321 | 32 | 516 | 1432 | 40 | 495 | 1055 | 13 | 289 |
| 7 | 27,1 | 1376 | 33 | 527 | 1598 | 45 | 505 | 1089 | 14 | 299 |
| 8 | 29,6 | 1433 | 34 | 537 | 1732 | 47 | 516 | 1124 | 14 | 310 |
| 9 | 32,1 | 1492 | 34 | 547 | 1872 | 50 | 526 | 1161 | 15 | 320 |
| 10 | 34,6 | 1552 | 35 | 558 | 2018 | 52 | 536 | 1200 | 16 | 330 |
| 11 | 37,1 | 1614 | 36 | 568 | 2170 | 55 | 547 | 1241 | 17 | 341 |
| 12 | 39,6 | 1678 | 37 | 578 | 2329 | 57 | 557 | 1283 | 17 | 351 |
| 13 | 42,1 | 1744 | 38 | 589 | 2494 | 60 | 568 | 1328 | 18 | 361 |
| * 14 | 44,6 | 1734 | 38 | 599 | 2378 | 58 | 578 | 1296 | 19 | 372 |
| * 15 | 47,1 | 1810 | 39 | 610 | 2537 | 61 | 588 | 1339 | 19 | 382 |

* Bei diesem Aufbau muß die Klettereinrichtung nach der Montage abgelassen werden!

**Fundamentbelastung
Kran stationär**

112 EC-B
auf 120 HC-Turm

Ausladung: 45,00 m
Turmstück: 2,50 m
Grundturmstück: 6,85 m



Voraussetzung für die Standsicherheit des Kranes ist:

Ausleger außer Betrieb frei drehbar !

$$\text{Exzentrizität: } e = \frac{M + (H \cdot h)}{V + G} \leq \frac{L}{3}$$

Die zulässige Belastung des Baugrundes darf nicht überschritten werden !

$$\sigma_B = \frac{2 \cdot (V + G)}{3 \cdot L \cdot c} \leq \sigma_{Bzul}$$

$$c = \frac{L}{2} - e$$

G = Eigengewicht des Fundaments

Katzstellung außer Betrieb: 2,2 m

Die folgenden Belastungswerte enthalten keinen Eigenlast- und Hublastbeitrag.

Drehmoment in Betrieb MD = 170 kNm

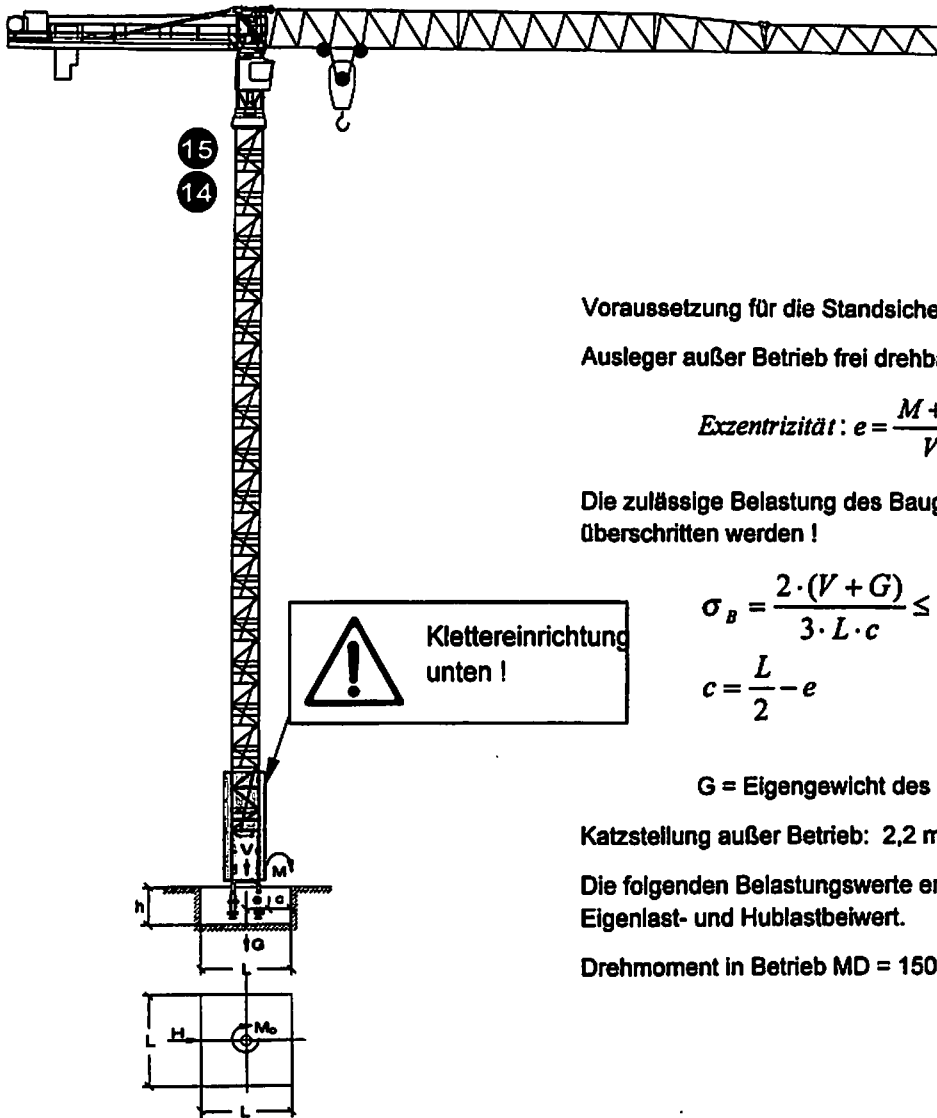
| Zahl d. Turmstücke | Haken- höhe | Kran in Betrieb | | | Kran außer Betrieb | | | Kran in Montage | | |
|-----------------------|----------------|-----------------|--------|--------|--------------------|--------|--------|-----------------|--------|--------|
| | | M [kNm] | H [kN] | V [kN] | M [kNm] | H [kN] | V [kN] | M [kNm] | H [kN] | V [kN] |
| 1 | 12,1 | 1046 | 18 | 457 | 944 | 23 | 431 | 914 | 9 | 237 |
| 2 | 14,6 | 1092 | 19 | 467 | 1027 | 27 | 441 | 939 | 10 | 248 |
| 3 | 17,1 | 1140 | 19 | 477 | 1104 | 29 | 452 | 965 | 11 | 258 |
| 4 | 19,6 | 1189 | 20 | 488 | 1286 | 35 | 462 | 993 | 12 | 268 |
| 5 | 22,1 | 1241 | 21 | 498 | 1382 | 37 | 472 | 1023 | 12 | 279 |
| 6 | 24,6 | 1294 | 21 | 509 | 1506 | 40 | 483 | 1055 | 13 | 289 |
| 7 | 27,1 | 1349 | 22 | 519 | 1673 | 45 | 493 | 1089 | 14 | 299 |
| 8 | 29,6 | 1406 | 23 | 529 | 1806 | 47 | 504 | 1124 | 14 | 310 |
| 9 | 32,1 | 1464 | 24 | 540 | 1946 | 50 | 514 | 1161 | 15 | 320 |
| 10 | 34,6 | 1524 | 24 | 550 | 2092 | 52 | 524 | 1200 | 16 | 330 |
| 11 | 37,1 | 1586 | 25 | 560 | 2244 | 55 | 535 | 1241 | 17 | 341 |
| 12 | 39,6 | 1650 | 26 | 571 | 2403 | 57 | 545 | 1283 | 17 | 351 |
| 13 | 42,1 | 1716 | 26 | 581 | 2568 | 60 | 555 | 1328 | 18 | 361 |
| * 14 | 44,6 | 1706 | 27 | 591 | 2453 | 58 | 566 | 1296 | 19 | 372 |
| * 15 | 47,1 | 1770 | 28 | 602 | 2611 | 61 | 576 | 1339 | 19 | 382 |

* Bei diesem Aufbau muß die Klettereinrichtung nach der Montage abgelassen werden!

Fundamentbelastung
Kran stationär

112 EC-B
auf 120 HC-Turm

Ausladung: 40,00 m
Turmstück: 2,50 m
Grundturmstück: 6,85 m



Voraussetzung für die Standsicherheit des Kranes ist:

Ausleger außer Betrieb frei drehbar !

$$\text{Exzentrizität: } e = \frac{M + (H \cdot h)}{V + G} \leq \frac{L}{3}$$

Die zulässige Belastung des Baugrundes darf nicht überschritten werden !

$$\sigma_B = \frac{2 \cdot (V + G)}{3 \cdot L \cdot c} \leq \sigma_{Bzul}$$

$$c = \frac{L}{2} - e$$

G = Eigengewicht des Fundaments

Katzstellung außer Betrieb: 2,2 m

Die folgenden Belastungswerte enthalten keinen Eigenlast- und Hublastbeiwert.

Drehmoment in Betrieb MD = 150 kNm

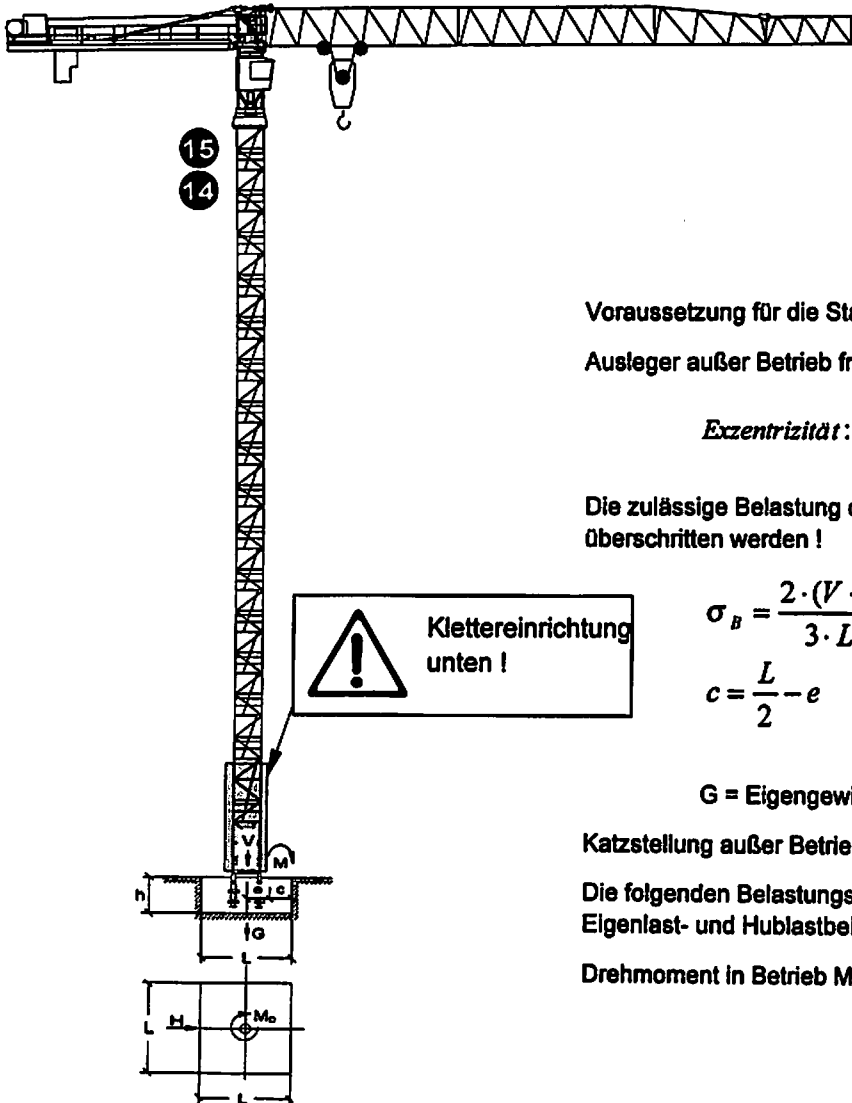
| Zahl d. Turmstücke | Hakenhöhe | Kran in Betrieb | | | Kran außer Betrieb | | | Kran in Montage | | |
|--------------------|-----------|-----------------|--------|--------|--------------------|--------|--------|-----------------|--------|--------|
| | | M [kNm] | H [kN] | V [kN] | M [kNm] | H [kN] | V [kN] | M [kNm] | H [kN] | V [kN] |
| 1 | 12,1 | 1125 | 18 | 432 | 914 | 28 | 401 | 914 | 9 | 237 |
| 2 | 14,6 | 1171 | 19 | 442 | 997 | 33 | 411 | 939 | 10 | 248 |
| 3 | 17,1 | 1219 | 19 | 453 | 1073 | 36 | 422 | 965 | 11 | 258 |
| 4 | 19,6 | 1269 | 20 | 463 | 1255 | 44 | 432 | 993 | 12 | 268 |
| 5 | 22,1 | 1320 | 21 | 473 | 1351 | 46 | 442 | 1023 | 12 | 279 |
| 6 | 24,6 | 1374 | 22 | 484 | 1475 | 50 | 453 | 1055 | 13 | 289 |
| 7 | 27,1 | 1429 | 22 | 494 | 1642 | 56 | 463 | 1089 | 14 | 299 |
| 8 | 29,6 | 1486 | 23 | 505 | 1775 | 59 | 473 | 1124 | 14 | 310 |
| 9 | 32,1 | 1544 | 24 | 515 | 1915 | 62 | 484 | 1161 | 15 | 320 |
| 10 | 34,6 | 1605 | 24 | 525 | 2061 | 65 | 494 | 1200 | 16 | 330 |
| 11 | 37,1 | 1667 | 25 | 536 | 2214 | 68 | 504 | 1241 | 17 | 341 |
| 12 | 39,6 | 1731 | 26 | 546 | 2372 | 71 | 515 | 1283 | 17 | 351 |
| 13 | 42,1 | 1797 | 27 | 556 | 2537 | 75 | 525 | 1328 | 18 | 361 |
| * 14 | 44,6 | 1787 | 27 | 567 | 2422 | 73 | 536 | 1296 | 19 | 372 |
| * 15 | 47,1 | 1851 | 28 | 577 | 2580 | 76 | 546 | 1339 | 19 | 382 |

* Bei diesem Aufbau muß die Klettereinrichtung nach der Montage abgelassen werden!

**Fundamentbelastung
Kran stationär**

112 EC-B
auf 120 HC-Turm

Ausladung: 35,00 m
Turmstück: 2,50 m
Grundturmstück: 6,85 m



Voraussetzung für die Standsicherheit des Kranes ist:

Ausleger außer Betrieb frei drehbar !

$$\text{Exzentrizität: } e = \frac{M + (H \cdot h)}{V + G} \leq \frac{L}{3}$$

Die zulässige Belastung des Baugrundes darf nicht überschritten werden !

$$\sigma_B = \frac{2 \cdot (V + G)}{3 \cdot L \cdot c} \leq \sigma_{Bzul}$$

$$c = \frac{L}{2} - e$$

G = Eigengewicht des Fundaments

Katzstellung außer Betrieb: 2,2 m

Die folgenden Belastungswerte enthalten keinen Eigenlast- und Hublastbeiwert.

Drehmoment in Betrieb MD = 130 kNm

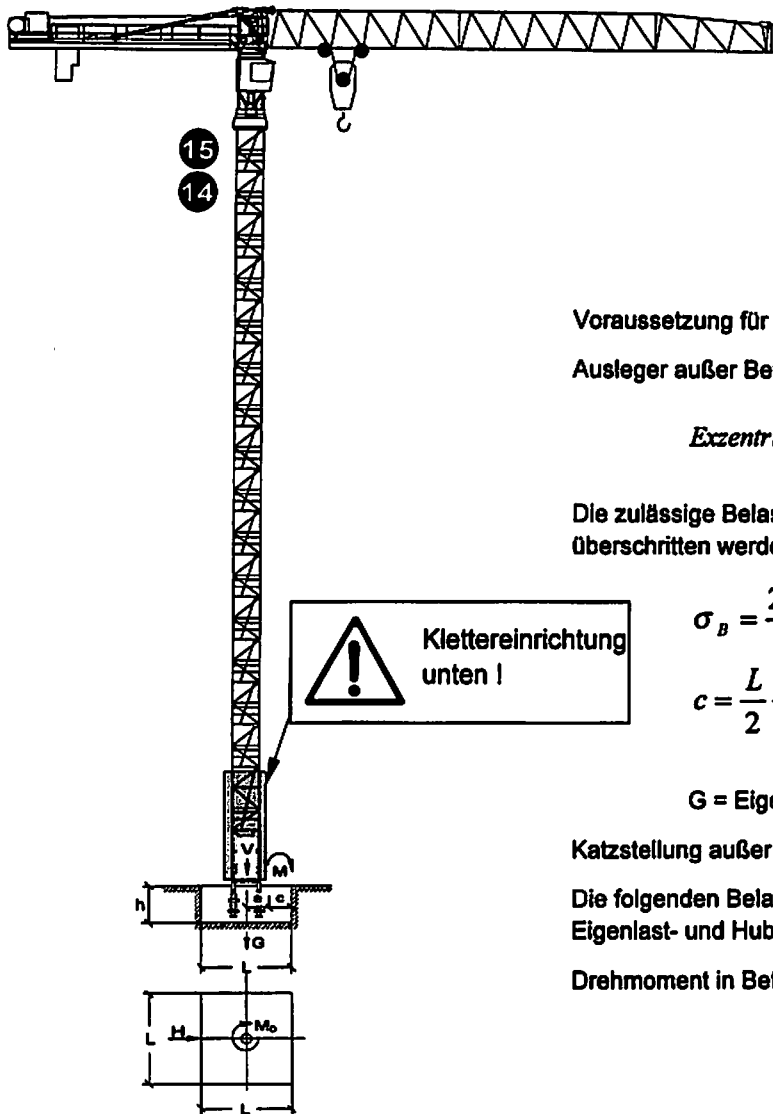
| Zahl d. Turmstücke | Hakenhöhe | Kran in Betrieb | | | Kran außer Betrieb | | | Kran in Montage | | |
|--------------------|-----------|-----------------|--------|--------|--------------------|--------|--------|-----------------|--------|--------|
| | | M [kNm] | H [kN] | V [kN] | M [kNm] | H [kN] | V [kN] | M [kNm] | H [kN] | V [kN] |
| 1 | 12,1 | 1155 | 18 | 428 | 914 | 28 | 390 | 914 | 9 | 237 |
| 2 | 14,6 | 1201 | 19 | 438 | 997 | 33 | 400 | 939 | 10 | 248 |
| 3 | 17,1 | 1249 | 19 | 448 | 1074 | 36 | 410 | 965 | 11 | 258 |
| 4 | 19,6 | 1299 | 20 | 459 | 1256 | 44 | 421 | 993 | 12 | 268 |
| 5 | 22,1 | 1350 | 21 | 469 | 1352 | 46 | 431 | 1023 | 12 | 279 |
| 6 | 24,6 | 1404 | 22 | 479 | 1476 | 50 | 442 | 1055 | 13 | 289 |
| 7 | 27,1 | 1459 | 22 | 490 | 1642 | 56 | 452 | 1089 | 14 | 299 |
| 8 | 29,6 | 1516 | 23 | 500 | 1776 | 59 | 462 | 1124 | 14 | 310 |
| 9 | 32,1 | 1574 | 24 | 510 | 1916 | 62 | 473 | 1161 | 15 | 320 |
| 10 | 34,6 | 1635 | 24 | 521 | 2062 | 65 | 483 | 1200 | 16 | 330 |
| 11 | 37,1 | 1697 | 25 | 531 | 2214 | 68 | 493 | 1241 | 17 | 341 |
| 12 | 39,6 | 1761 | 26 | 542 | 2373 | 71 | 504 | 1283 | 17 | 351 |
| 13 | 42,1 | 1827 | 27 | 552 | 2538 | 75 | 514 | 1328 | 18 | 361 |
| * 14 | 44,6 | 1818 | 27 | 562 | 2423 | 73 | 524 | 1296 | 19 | 372 |
| * 15 | 47,1 | 1882 | 28 | 573 | 2581 | 76 | 535 | 1339 | 19 | 382 |

* Bei diesem Aufbau muß die Klettereinrichtung nach der Montage abgelassen werden!

Fundamentbelastung
Kran stationär

112 EC-B
auf 120 HC-Turm

Ausladung: 30,00 m
Turmstück: 2,50 m
Grundturmstück: 6,85 m



Voraussetzung für die Standsicherheit des Kranes ist:
Ausleger außer Betrieb frei drehbar !

$$\text{Exzentrizität: } e = \frac{M + (H \cdot h)}{V + G} \leq \frac{L}{3}$$

Die zulässige Belastung des Baugrundes darf nicht überschritten werden !

$$\sigma_B = \frac{2 \cdot (V + G)}{3 \cdot L \cdot c} \leq \sigma_{Bzul.}$$

$$c = \frac{L}{2} - e$$

G = Eigengewicht des Fundaments

Katzstellung außer Betrieb: 2,2 m

Die folgenden Belastungswerte enthalten keinen Eigenlast- und Hublastbeitrag.

Drehmoment in Betrieb MD = 130 kNm

| Zahl d. Turmstücke | Hakenhöhe | Kran in Betrieb | | | Kran außer Betrieb | | | Kran in Montage | | |
|--------------------|-----------|-----------------|--------|--------|--------------------|--------|--------|-----------------|--------|--------|
| | | M [kNm] | H [kN] | V [kN] | M [kNm] | H [kN] | V [kN] | M [kNm] | H [kN] | V [kN] |
| 1 | 12,1 | 1125 | 18 | 414 | 939 | 28 | 368 | 914 | 9 | 237 |
| 2 | 14,6 | 1171 | 19 | 424 | 1022 | 33 | 379 | 939 | 10 | 248 |
| 3 | 17,1 | 1219 | 19 | 435 | 1099 | 36 | 389 | 965 | 11 | 258 |
| 4 | 19,6 | 1269 | 20 | 445 | 1281 | 44 | 399 | 993 | 12 | 268 |
| 5 | 22,1 | 1321 | 21 | 455 | 1377 | 46 | 410 | 1023 | 12 | 279 |
| 6 | 24,6 | 1374 | 22 | 466 | 1501 | 50 | 420 | 1055 | 13 | 289 |
| 7 | 27,1 | 1429 | 22 | 476 | 1668 | 56 | 431 | 1089 | 14 | 299 |
| 8 | 29,6 | 1486 | 23 | 486 | 1801 | 59 | 441 | 1124 | 14 | 310 |
| 9 | 32,1 | 1545 | 24 | 497 | 1941 | 62 | 451 | 1161 | 15 | 320 |
| 10 | 34,6 | 1605 | 24 | 507 | 2087 | 65 | 462 | 1200 | 16 | 330 |
| 11 | 37,1 | 1667 | 25 | 518 | 2239 | 68 | 472 | 1241 | 17 | 341 |
| 12 | 39,6 | 1731 | 26 | 528 | 2398 | 71 | 482 | 1283 | 17 | 351 |
| 13 | 42,1 | 1797 | 27 | 538 | 2563 | 75 | 493 | 1328 | 18 | 361 |
| * 14 | 44,6 | 1787 | 27 | 549 | 2448 | 73 | 503 | 1296 | 19 | 372 |
| * 15 | 47,1 | 1851 | 28 | 559 | 2606 | 76 | 513 | 1339 | 19 | 382 |

* Bei diesem Aufbau muß die Klettereinrichtung nach der Montage abgelassen werden!

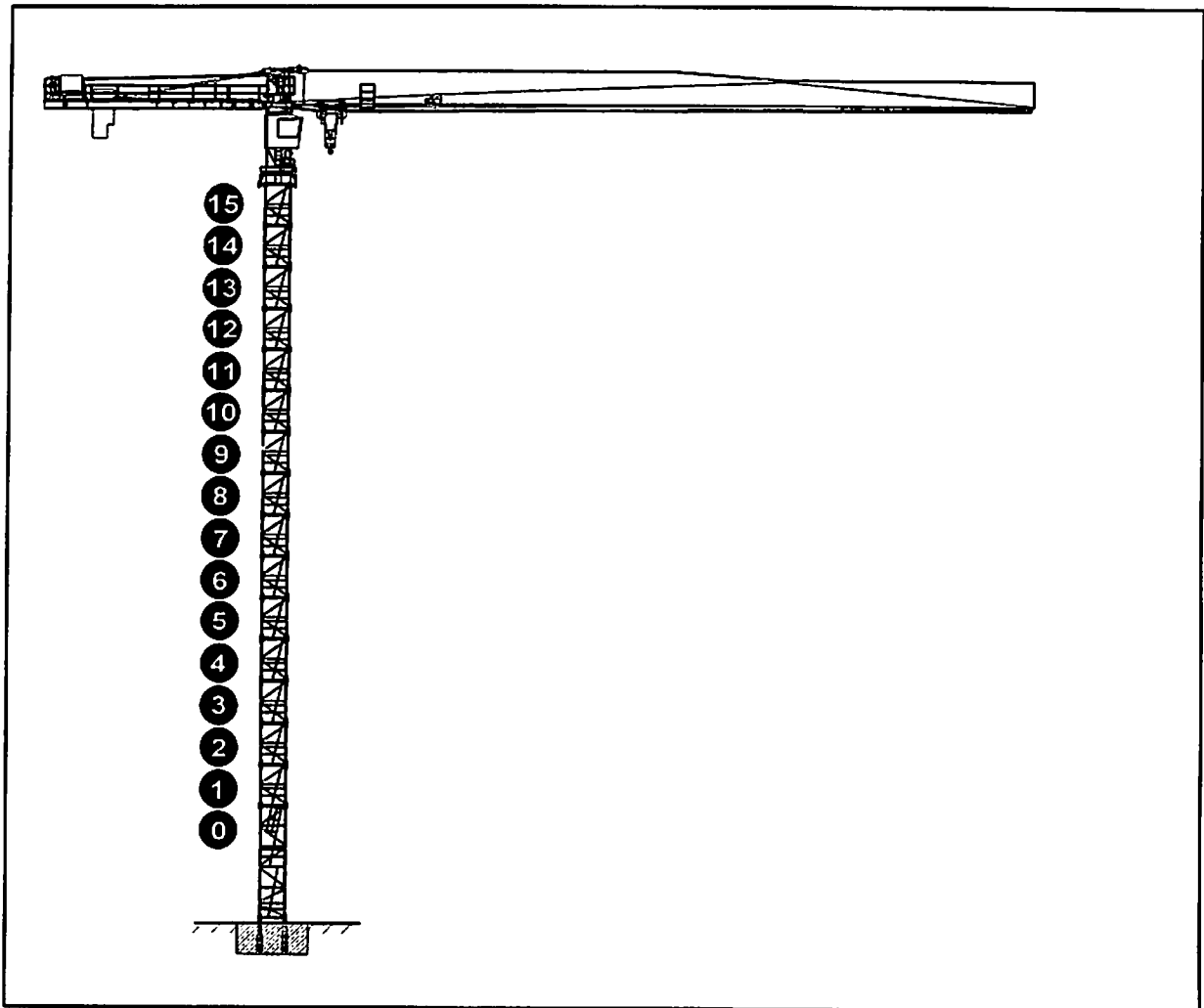
112 EC-B
120 HC - Turm
Turmstücke 2,5 m
Grundturmstück 6,85 m
Kran stationär auf Fundamentanker

Fundamentbelastung

ohne Klettereinrichtung



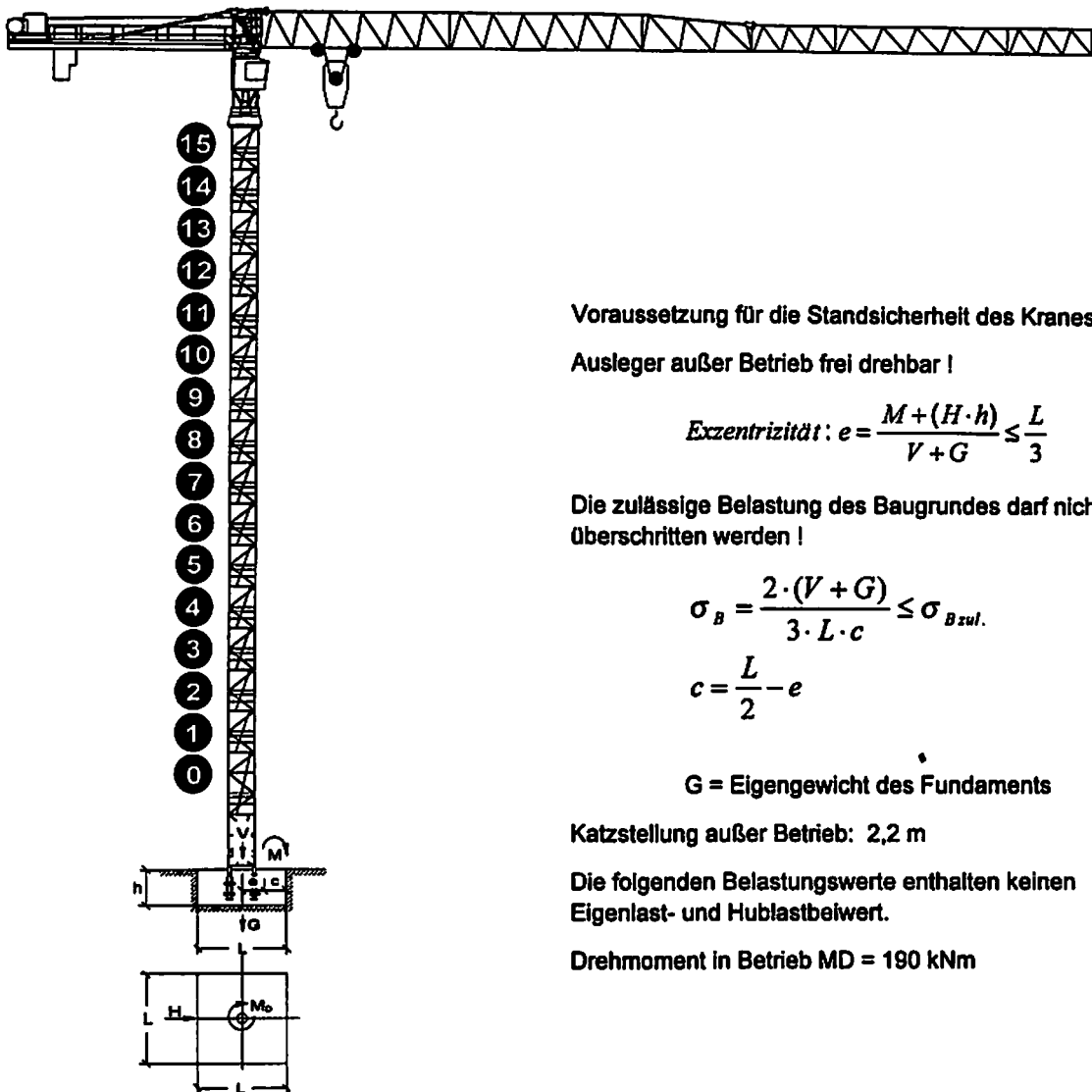
auch bei Montage und Demontage



Fundamentbelastung
Kran stationär

112 EC-B
auf 120 HC-Turm

Ausladung: 50,00 m
Turmstück: 2,50 m
Grundturmstück: 6,85 m



Voraussetzung für die Standsicherheit des Kranes ist:
Ausleger außer Betrieb frei drehbar !

$$\text{Exzentrizität: } e = \frac{M + (H \cdot h)}{V + G} \leq \frac{L}{3}$$

Die zulässige Belastung des Baugrundes darf nicht überschritten werden !

$$\sigma_B = \frac{2 \cdot (V + G)}{3 \cdot L \cdot c} \leq \sigma_{Bzul.}$$

$$c = \frac{L}{2} - e$$

G = Eigengewicht des Fundaments

Katzstellung außer Betrieb: 2,2 m

Die folgenden Belastungswerte enthalten keinen Eigenlast- und Hublastbeitrag.

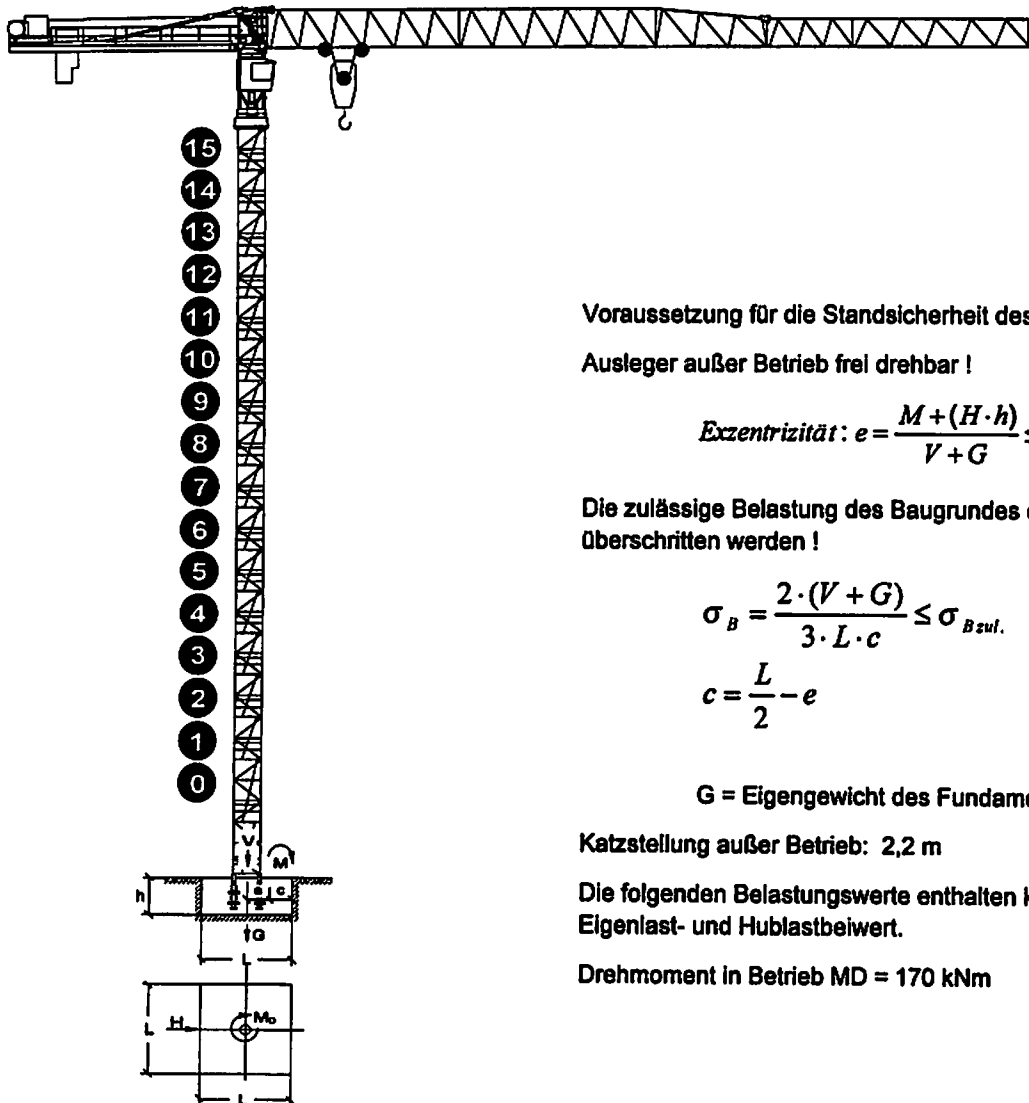
Drehmoment in Betrieb MD = 190 kNm

| Zahl d. Turmstücke | Hakenhöhe | Kran in Betrieb | | | Kran außer Betrieb | | | Kran in Montage | | |
|--------------------|-----------|-----------------|--------|--------|--------------------|--------|--------|-----------------|--------|--------|
| | | M [kNm] | H [kN] | V [kN] | M [kNm] | H [kN] | V [kN] | M [kNm] | H [kN] | V [kN] |
| 1 | 12,1 | 1059 | 26 | 423 | 848 | 19 | 402 | 900 | 7 | 196 |
| 2 | 14,6 | 1100 | 27 | 434 | 903 | 21 | 412 | 919 | 8 | 206 |
| 3 | 17,1 | 1142 | 27 | 444 | 966 | 23 | 423 | 940 | 9 | 217 |
| 4 | 19,6 | 1186 | 28 | 454 | 1134 | 30 | 433 | 963 | 9 | 227 |
| 5 | 22,1 | 1232 | 29 | 465 | 1216 | 32 | 443 | 988 | 10 | 237 |
| 6 | 24,6 | 1280 | 30 | 475 | 1326 | 34 | 454 | 1014 | 11 | 248 |
| 7 | 27,1 | 1330 | 31 | 486 | 1434 | 37 | 464 | 1042 | 11 | 258 |
| 8 | 29,6 | 1381 | 31 | 496 | 1549 | 39 | 475 | 1072 | 12 | 269 |
| 9 | 32,1 | 1434 | 32 | 506 | 1669 | 42 | 485 | 1104 | 13 | 279 |
| 10 | 34,6 | 1489 | 33 | 517 | 1796 | 45 | 495 | 1137 | 14 | 289 |
| 11 | 37,1 | 1546 | 34 | 527 | 1929 | 47 | 506 | 1172 | 14 | 300 |
| 12 | 39,6 | 1605 | 34 | 537 | 2069 | 50 | 516 | 1210 | 15 | 310 |
| 13 | 42,1 | 1665 | 35 | 548 | 2215 | 52 | 526 | 1248 | 16 | 320 |
| 14 | 44,6 | 1727 | 36 | 558 | 2367 | 55 | 537 | 1289 | 16 | 331 |
| 15 | 47,1 | 1804 | 37 | 568 | 2525 | 57 | 547 | 1332 | 17 | 341 |

**Fundamentbelastung
Kran stationär**

112 EC-B
auf 120 HC-Turm

Ausladung: 45,00 m
Turmstück: 2,50 m
Grundturmstück: 6,85 m



Voraussetzung für die Standsicherheit des Kranes ist:

Ausleger außer Betrieb frei drehbar !

$$\text{Exzentrizität: } e = \frac{M + (H \cdot h)}{V + G} \leq \frac{L}{3}$$

Die zulässige Belastung des Baugrundes darf nicht überschritten werden !

$$\sigma_B = \frac{2 \cdot (V + G)}{3 \cdot L \cdot c} \leq \sigma_{Bzul.}$$

$$c = \frac{L}{2} - e$$

G = Eigengewicht des Fundaments

Katzstellung außer Betrieb: 2,2 m

Die folgenden Belastungswerte enthalten keinen Eigenlast- und Hublastbeitrag.

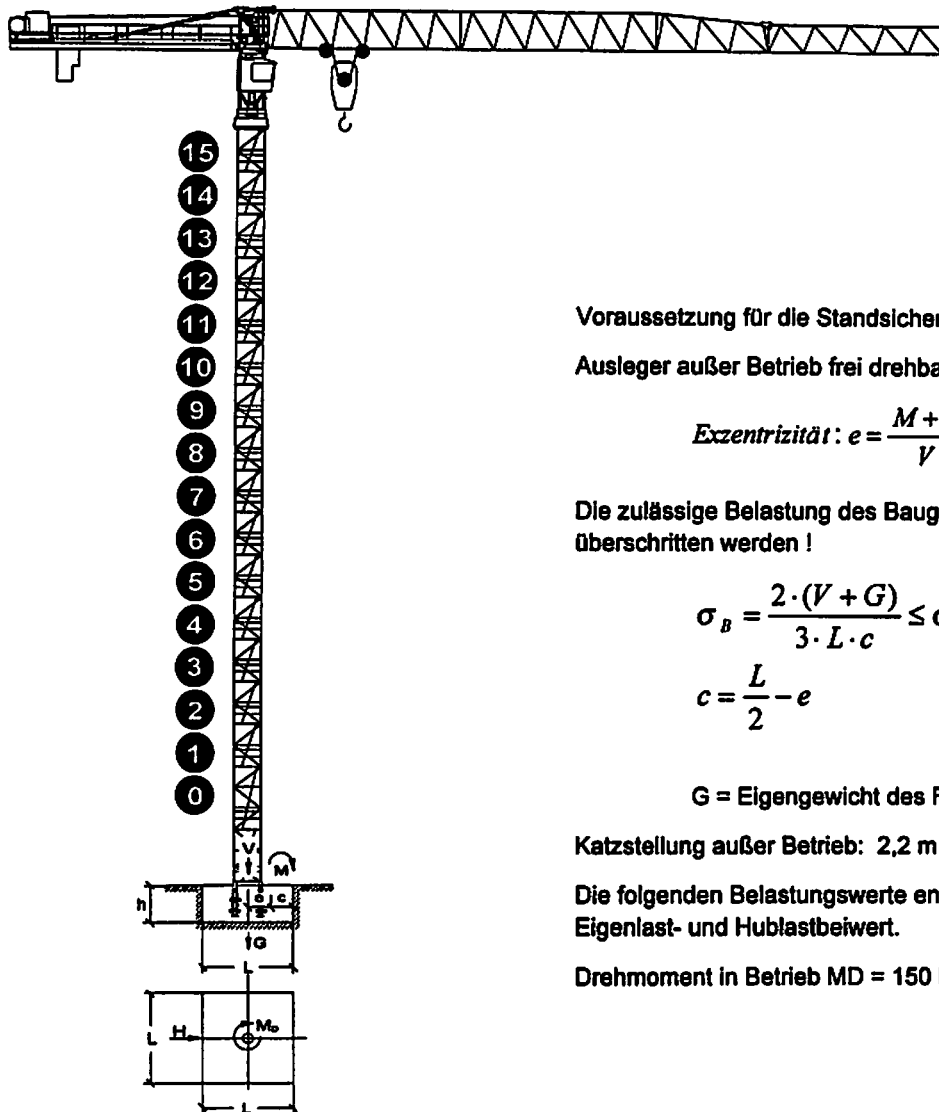
Drehmoment in Betrieb MD = 170 kNm

| Zahl d. Turmstücke | Hakenhöhe | Kran in Betrieb | | | Kran außer Betrieb | | | Kran in Montage | | |
|--------------------|-----------|-----------------|--------|--------|--------------------|--------|--------|-----------------|--------|--------|
| | | M [kNm] | H [kN] | V [kN] | M [kNm] | H [kN] | V [kN] | M [kNm] | H [kN] | V [kN] |
| 1 | 12,1 | 1032 | 16 | 416 | 922 | 19 | 390 | 900 | 7 | 196 |
| 2 | 14,6 | 1072 | 16 | 426 | 977 | 21 | 400 | 919 | 8 | 206 |
| 3 | 17,1 | 1115 | 17 | 436 | 1040 | 23 | 411 | 940 | 9 | 217 |
| 4 | 19,6 | 1159 | 18 | 447 | 1208 | 30 | 421 | 963 | 9 | 227 |
| 5 | 22,1 | 1205 | 19 | 457 | 1290 | 32 | 431 | 988 | 10 | 237 |
| 6 | 24,6 | 1253 | 19 | 467 | 1400 | 34 | 442 | 1014 | 11 | 248 |
| 7 | 27,1 | 1302 | 20 | 478 | 1508 | 37 | 452 | 1042 | 11 | 258 |
| 8 | 29,6 | 1353 | 21 | 488 | 1623 | 39 | 462 | 1072 | 12 | 269 |
| 9 | 32,1 | 1407 | 21 | 498 | 1743 | 42 | 473 | 1104 | 13 | 279 |
| 10 | 34,6 | 1461 | 22 | 509 | 1870 | 45 | 483 | 1137 | 14 | 289 |
| 11 | 37,1 | 1518 | 23 | 519 | 2004 | 47 | 493 | 1172 | 14 | 300 |
| 12 | 39,6 | 1577 | 24 | 530 | 2143 | 50 | 504 | 1210 | 15 | 310 |
| 13 | 42,1 | 1637 | 24 | 540 | 2289 | 52 | 514 | 1248 | 16 | 320 |
| 14 | 44,6 | 1699 | 25 | 550 | 2441 | 55 | 525 | 1289 | 16 | 331 |
| 15 | 47,1 | 1763 | 26 | 561 | 2599 | 57 | 535 | 1332 | 17 | 341 |

Fundamentbelastung
Kran stationär

112 EC-B
auf 120 HC-Turm

Ausladung: 40,00 m
Turmstück: 2,50 m
Grundturmstück: 6,85 m



Voraussetzung für die Standsicherheit des Kranes ist:
Ausleger außer Betrieb frei drehbar !

$$\text{Exzentrizität: } e = \frac{M + (H \cdot h)}{V + G} \leq \frac{L}{3}$$

Die zulässige Belastung des Baugrundes darf nicht überschritten werden !

$$\sigma_B = \frac{2 \cdot (V + G)}{3 \cdot L \cdot c} \leq \sigma_{Bzul}$$

$$c = \frac{L}{2} - e$$

G = Eigengewicht des Fundaments

Katzstellung außer Betrieb: 2,2 m

Die folgenden Belastungswerte enthalten keinen Eigenlast- und Hublastbeiwert.

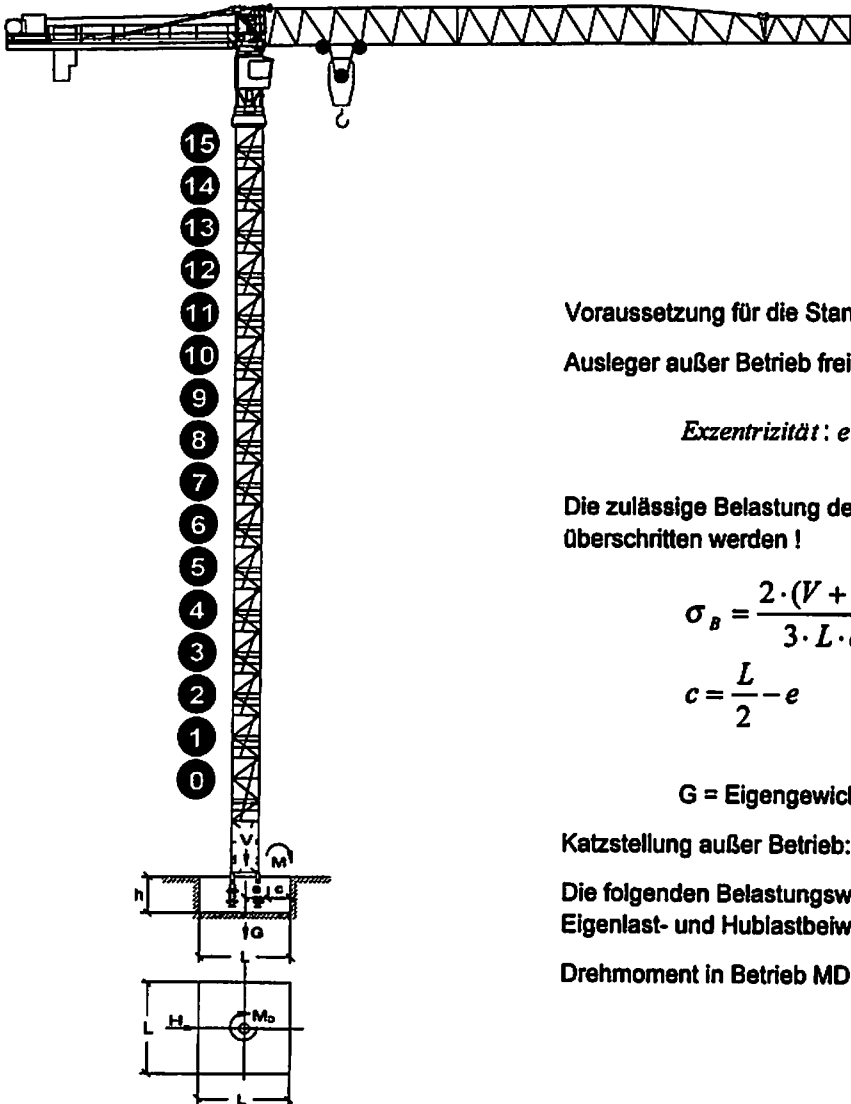
Drehmoment in Betrieb MD = 150 kNm

| Zahl d. Turmstücke | Hakenhöhe | Kran in Betrieb | | | Kran außer Betrieb | | | Kran in Montage | | |
|--------------------|-----------|-----------------|--------|--------|--------------------|--------|--------|-----------------|--------|--------|
| | | M [kNm] | H [kN] | V [kN] | M [kNm] | H [kN] | V [kN] | M [kNm] | H [kN] | V [kN] |
| 1 | 12,1 | 1111 | 16 | 391 | 891 | 24 | 360 | 900 | 7 | 196 |
| 2 | 14,6 | 1151 | 17 | 401 | 947 | 26 | 370 | 919 | 8 | 206 |
| 3 | 17,1 | 1194 | 17 | 412 | 1010 | 29 | 380 | 940 | 9 | 217 |
| 4 | 19,6 | 1238 | 18 | 422 | 1178 | 37 | 391 | 963 | 9 | 227 |
| 5 | 22,1 | 1284 | 19 | 432 | 1259 | 39 | 401 | 988 | 10 | 237 |
| 6 | 24,6 | 1332 | 19 | 443 | 1370 | 43 | 411 | 1014 | 11 | 248 |
| 7 | 27,1 | 1382 | 20 | 453 | 1478 | 46 | 422 | 1042 | 11 | 258 |
| 8 | 29,6 | 1434 | 21 | 463 | 1692 | 49 | 432 | 1072 | 12 | 269 |
| 9 | 32,1 | 1487 | 22 | 474 | 1713 | 53 | 443 | 1104 | 13 | 279 |
| 10 | 34,6 | 1542 | 22 | 484 | 1840 | 56 | 453 | 1137 | 14 | 289 |
| 11 | 37,1 | 1599 | 23 | 494 | 1973 | 59 | 463 | 1172 | 14 | 300 |
| 12 | 39,6 | 1657 | 24 | 505 | 2112 | 62 | 474 | 1210 | 15 | 310 |
| 13 | 42,1 | 1718 | 24 | 515 | 2258 | 65 | 484 | 1248 | 16 | 320 |
| 14 | 44,6 | 1780 | 25 | 526 | 2410 | 68 | 494 | 1289 | 16 | 331 |
| 15 | 47,1 | 1844 | 26 | 536 | 2569 | 71 | 505 | 1332 | 17 | 341 |

**Fundamentbelastung
Kran stationär**

112 EC-B
auf 120 HC-Turm

Ausladung: 35,00 m
Turmstück: 2,50 m
Grundturmstück: 6,85 m



Voraussetzung für die Standsicherheit des Kranes ist:

Ausleger außer Betrieb frei drehbar !

$$\text{Exzentrizität: } e = \frac{M + (H \cdot h)}{V + G} \leq \frac{L}{3}$$

Die zulässige Belastung des Baugrundes darf nicht überschritten werden !

$$\sigma_B = \frac{2 \cdot (V + G)}{3 \cdot L \cdot c} \leq \sigma_{Bzul.}$$

$$c = \frac{L}{2} - e$$

G = Eigengewicht des Fundaments

Katzstellung außer Betrieb: 2,2 m

Die folgenden Belastungswerte enthalten keinen Eigenlast- und Hublastbeitrag.

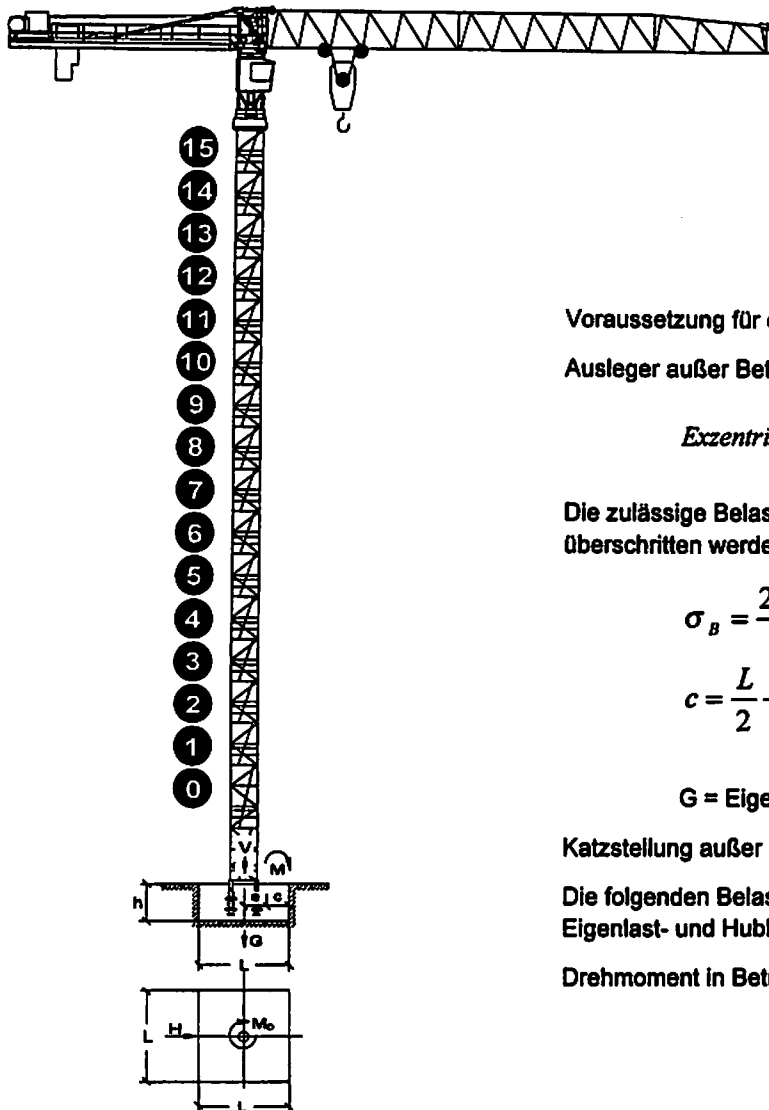
Drehmoment in Betrieb MD = 130 kNm

| Zahl d. Turmstücke | Hakenhöhe | Kran in Betrieb | | | Kran außer Betrieb | | | Kran in Montage | | |
|--------------------|-----------|-----------------|--------|--------|--------------------|--------|--------|-----------------|--------|--------|
| | | M [kNm] | H [kN] | V [kN] | M [kNm] | H [kN] | V [kN] | M [kNm] | H [kN] | V [kN] |
| 1 | 12,1 | 1140 | 16 | 386 | 892 | 24 | 349 | 900 | 7 | 196 |
| 2 | 14,6 | 1181 | 17 | 397 | 947 | 26 | 359 | 919 | 8 | 206 |
| 3 | 17,1 | 1224 | 17 | 407 | 1010 | 29 | 369 | 940 | 9 | 217 |
| 4 | 19,6 | 1268 | 18 | 418 | 1178 | 37 | 380 | 963 | 9 | 227 |
| 5 | 22,1 | 1314 | 19 | 428 | 1260 | 39 | 390 | 988 | 10 | 237 |
| 6 | 24,6 | 1362 | 19 | 438 | 1370 | 43 | 400 | 1014 | 11 | 248 |
| 7 | 27,1 | 1412 | 20 | 449 | 1478 | 46 | 411 | 1042 | 11 | 258 |
| 8 | 29,6 | 1464 | 21 | 459 | 1593 | 49 | 421 | 1072 | 12 | 269 |
| 9 | 32,1 | 1517 | 22 | 469 | 1713 | 53 | 431 | 1104 | 13 | 279 |
| 10 | 34,6 | 1572 | 22 | 480 | 1840 | 56 | 442 | 1137 | 14 | 289 |
| 11 | 37,1 | 1629 | 23 | 490 | 1973 | 59 | 452 | 1172 | 14 | 300 |
| 12 | 39,6 | 1688 | 24 | 500 | 2113 | 62 | 463 | 1210 | 15 | 310 |
| 13 | 42,1 | 1748 | 24 | 511 | 2259 | 65 | 473 | 1248 | 16 | 320 |
| 14 | 44,6 | 1810 | 25 | 521 | 2411 | 68 | 483 | 1289 | 16 | 331 |
| 15 | 47,1 | 1874 | 26 | 531 | 2569 | 71 | 494 | 1332 | 17 | 341 |

Fundamentbelastung
Kran stationär

112 EC-B
auf 120 HC-Turm

Ausladung: 30,00 m
Turmstück: 2,50 m
Grundturmstück: 6,85 m



Voraussetzung für die Standsicherheit des Kranes ist:

Ausleger außer Betrieb frei drehbar !

$$\text{Exzentrizität: } e = \frac{M + (H \cdot h)}{V + G} \leq \frac{L}{3}$$

Die zulässige Belastung des Baugrundes darf nicht überschritten werden !

$$\sigma_B = \frac{2 \cdot (V + G)}{3 \cdot L \cdot c} \leq \sigma_{Bzul}$$

$$c = \frac{L}{2} - e$$

G = Eigengewicht des Fundaments

Katzstellung außer Betrieb: 2,2 m

Die folgenden Belastungswerte enthalten keinen Eigenlast- und Hublastbeitrag.

Drehmoment in Betrieb MD = 130 kNm

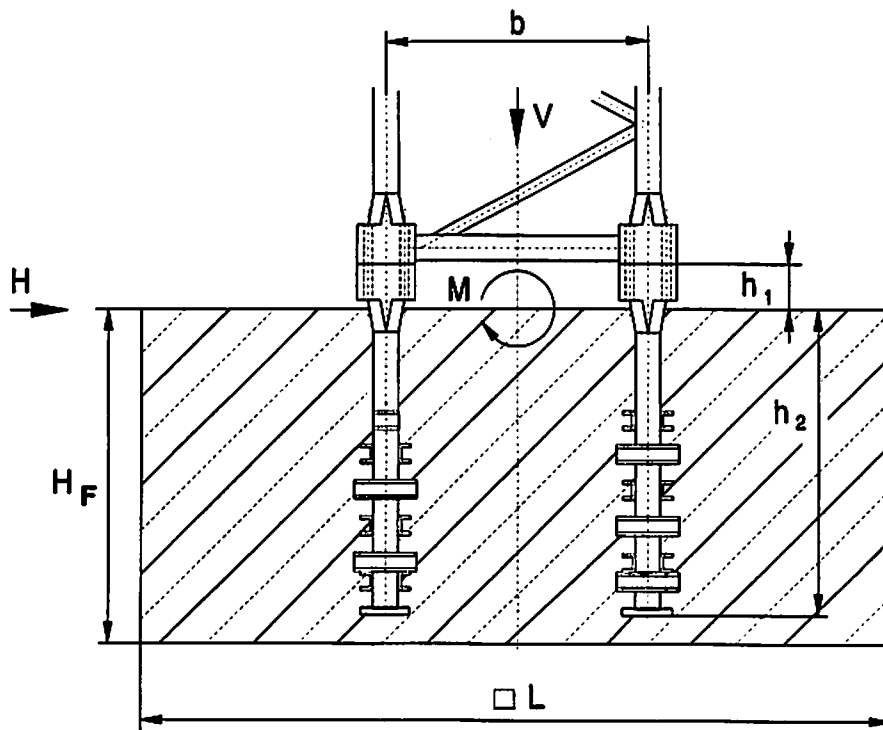
| Zahl d. Turmstücke | Hakenhöhe | Kran in Betrieb | | | Kran außer Betrieb | | | Kran in Montage | | |
|--------------------|-----------|-----------------|--------|--------|--------------------|--------|--------|-----------------|--------|--------|
| | | M [kNm] | H [kN] | V [kN] | M [kNm] | H [kN] | V [kN] | M [kNm] | H [kN] | V [kN] |
| 1 | 12,1 | 1111 | 16 | 373 | 917 | 24 | 327 | 900 | 7 | 196 |
| 2 | 14,6 | 1152 | 17 | 383 | 972 | 26 | 338 | 919 | 8 | 206 |
| 3 | 17,1 | 1194 | 17 | 394 | 1035 | 29 | 348 | 940 | 9 | 217 |
| 4 | 19,6 | 1239 | 18 | 404 | 1203 | 37 | 358 | 963 | 9 | 227 |
| 5 | 22,1 | 1285 | 19 | 414 | 1285 | 39 | 369 | 988 | 10 | 237 |
| 6 | 24,6 | 1333 | 19 | 425 | 1395 | 43 | 379 | 1014 | 11 | 248 |
| 7 | 27,1 | 1382 | 20 | 435 | 1503 | 46 | 389 | 1042 | 11 | 258 |
| 8 | 29,6 | 1434 | 21 | 445 | 1618 | 49 | 400 | 1072 | 12 | 269 |
| 9 | 32,1 | 1487 | 22 | 456 | 1738 | 53 | 410 | 1104 | 13 | 279 |
| 10 | 34,6 | 1542 | 22 | 466 | 1865 | 56 | 420 | 1137 | 14 | 289 |
| 11 | 37,1 | 1599 | 23 | 476 | 1998 | 59 | 431 | 1172 | 14 | 300 |
| 12 | 39,6 | 1658 | 24 | 487 | 2138 | 62 | 441 | 1210 | 15 | 310 |
| 13 | 42,1 | 1718 | 24 | 497 | 2284 | 65 | 452 | 1248 | 16 | 320 |
| 14 | 44,6 | 1780 | 25 | 507 | 2436 | 68 | 462 | 1289 | 16 | 331 |
| 15 | 47,1 | 1844 | 26 | 518 | 2594 | 71 | 472 | 1332 | 17 | 341 |

Beispiel zur Fundamentberechnung

Die nachfolgende Berechnung ist als Empfehlung anzusehen. Eine Fundamentberechnung kann jederzeit vom Kranbetreiber nach diesem Muster aufgestellt werden. Die ungünstigste Belastung ist den Fundamentbelastungstabellen zu entnehmen.

Für die sach- und fachgerechte Ausführung des Fundamentes haftet der Kranbetreiber.

Zahlenbeispiel: $M = 2\,777 \text{ kNm}$
 $H = 64 \text{ kN}$
 $V = 533 \text{ kN}$



Schnittkräfte an der Unterkante des Fundaments:

$b = 1,54 \text{ m}$, $h_F = 1,5 \text{ m}$, $L = 5,5 \text{ m}$, $h_1 = 0,22 \text{ m}$, $h_2 = 1,125 \text{ m}$

Vertikalkraft:

$$\begin{aligned} V_{\text{Fundament}} &= h_F \cdot L^2 \cdot 25,0 = 1134 \text{ kN} \\ V_{\text{Kran}} &= 533 \text{ kN} \\ V_{\text{gesamt}} &= 1\,667 \text{ kN} \end{aligned}$$

Moment an der Bodenfuge:

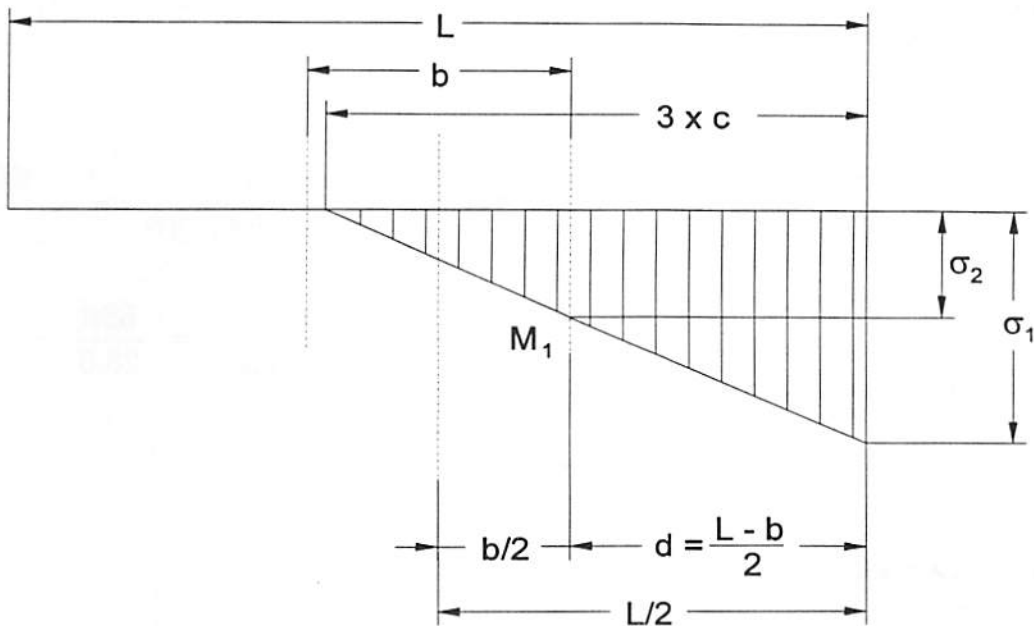
$$M_B = M + H \cdot h_F = 2\,873 \text{ kNm}$$

$$e = \frac{M_B}{V_{\text{gesamt}}} = 1,72 \leq \frac{L}{3} = \frac{5,5}{3} = 1,83 \text{ m}$$

$$c = \frac{L}{2} - e = 2,75 - 1,72 = 1,03 \text{ m}$$

Bodenpressung: $\sigma_1 = \frac{2 \cdot V_{\text{gesamt}}}{3 \cdot L \cdot c} = 196 \text{ kN/m}^2$

$$\sigma_2 = \frac{\sigma_1}{c} \cdot \left(c - \frac{L-b}{6} \right) = 70 \text{ kN/m}^2$$



$$\max. M_i = \sigma_2 \cdot \frac{d^2}{2} + (\sigma_1 - \sigma_2) \cdot \frac{d^2}{3} - h_f \cdot 25 \cdot \frac{d^2}{2}; \text{ mit } d = \frac{L-b}{2} = 1,98 \text{ m}$$

$$\max. M_i = 228 \text{ kNm/m}$$

Bemessung: $h = h_f - 10 = 140 \text{ cm}$ B 25, BSt 500 M

$$k_h = \frac{h [\text{cm}]}{\sqrt{M_i [\text{kNm/m}]} } = 9,3 \rightarrow k_s = 3,6$$

$$a_{S \text{ erforderlich}} = k_s \cdot \frac{M_i [\text{kNm/m}]}{h [\text{cm}]} = 5,9 \text{ cm}^2/\text{m}$$

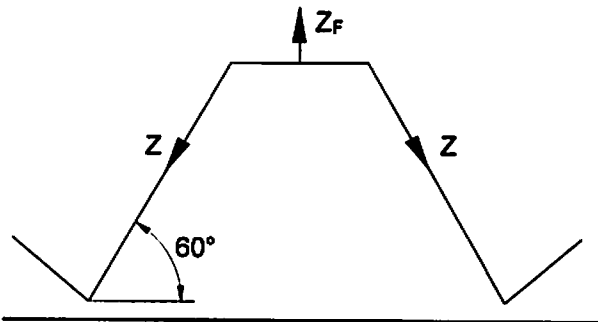
Bewehrung: unten R 513 überkreuz = 5,13 + 1,13 = 6,26 cm²/m
oben konstruktiv Q 188

Krafteinleitung an den Fundamentwinkeln:

Die größten Zug- und Druckkräfte pro Fundamentwinkel betragen:

$$\text{max. } D_F = - \frac{M}{b \cdot \sqrt{2}} - \frac{V}{4} = - 1\,408 \text{ kN}$$

$$\text{max. } Z_F = + \frac{M}{b \cdot \sqrt{2}} - \frac{V}{4} = + 1\,142 \text{ kN}$$

Einleitung der Zugkraft:

$$\text{max. } Z = \frac{Z_F}{2 \cdot \cos 30^\circ} = \frac{Z_F}{2 \cdot 0,866}$$

$$A_{S \text{ erforderlich}} = \frac{\text{max. } Z}{\sigma_{\text{zulässig}}} = \frac{659}{28,6} = 23,0 \text{ cm}^2$$

ingelegt: 8 x $\varnothing 20 = 25,12 \text{ cm}^2$ (BSt 500 S)
je Fundamentwinkel


$$\begin{aligned}\tau_{R \text{ zulässig}} &= 0,45 \cdot 1,4 \cdot 1800 \cdot \sqrt{0,058} \quad (\text{für B 25 und BSt 500 S}) \\ &= 273 \text{ kN/m}^2 \cong \tau_{R \text{ vorhanden}}\end{aligned}$$

keine Schubbewehrung ist erforderlich, wenn:

$$\tau_{R \text{ vorhanden}} < 1,3 \cdot \alpha_s \cdot \tau_{011} \cdot \sqrt{\mu}$$

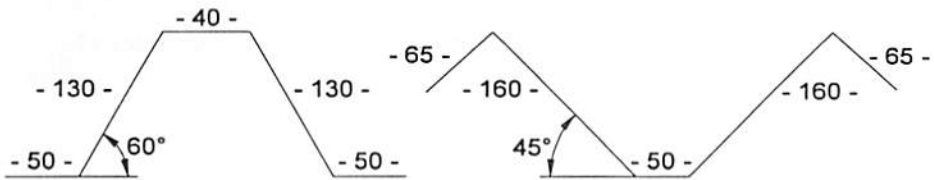
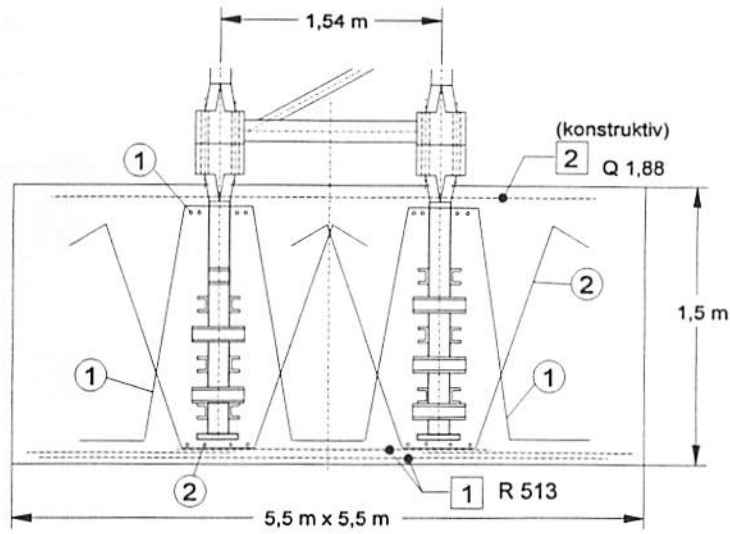
Schubbewehrung: (nach "Heft 240" des deutschen Ausschusses für Stahlbau)

$$\begin{aligned}A_{S \text{ erforderlich}} &= 1,31 \cdot \frac{D_F - \sigma_2 \cdot d_k^2 \cdot \frac{\pi}{4}}{\beta_s} \\ &= 1,31 \cdot \frac{1124,7}{50} = 29,5 \text{ cm}^2\end{aligned}$$

gewählt: 10 x ø 14 (2-schnittig)  = 30,8 cm²

Bewehrungsskizze:

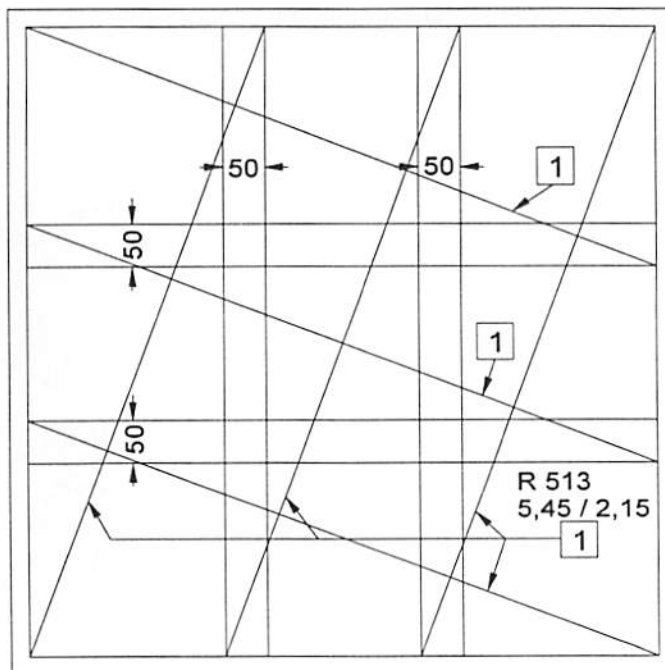
Beton: B 25
 Baustahl: BSt 500 S
 BSt 500 M



① 8 x \varnothing 20 ... 4,0 m pro Anker
 i.G. 4 x 8 = 32 Stück

② 10 x \varnothing 14 ... 5,0 m pro Anker
 i.G. 4 x 10 = 40 Stück

Draufsicht auf die untere Bewehrung: R 513 überkreuz; i.G. 6 Stück





Anzahl der Gegenballastblöcke

112 EC-B

| Ausladung (m) | Drehkreisradius des Gegenauslegers (m) | 45 kW | 37,5 kW |
|---------------|--|----------------------------------|----------------|
| | | WiW 260 MW 406 WiW 260 JX 421 | WiW 250 JX 402 |
| 50 | 14 | 5xA + 1xB = 14 100 kg → | B A A A A A |
| 45 | | 4xA + 1xB + 1xB = 13 200 kg → | B A A A A B |
| 40 | | 3xA + 1xB + 1xB = 10 700 kg → | B A A A B |
| 35 | | 2xA + 2xB + 1xB = 9 800 kg → | B A A B B |
| 30 | | 2xA + 1xB + 1xB = 8 200 kg → | B A A B |

  **B** = Vor Montage des Gegenauslegers einen "B" - Block (1,6 t) unter den Hubwerksrahmen einlegen (siehe Zeichnung) !

  **Die Ballastblöcke von hinten nach vorne (zum Turm hin) einsetzen !**
(siehe Montage Gegenballast S. 3-46)

Ballastgewicht unbedingt einhalten !

→ Bei Herstellung der Blöcke genau auf das Fertiggewicht achten !

Die Abmessungen der Ballastblöcke entsprechen einem Raumgewicht von 2,4 t/m³.

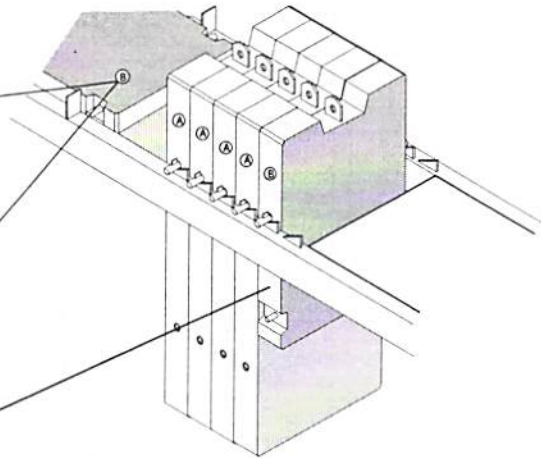
Empfehlung → Blöcke vor der Montage nachwiegen!

Gewicht: A - Block = 2 500 kg
B - Block = 1 600 kg

"B" - Block
unter dem Hubwerksrahmen

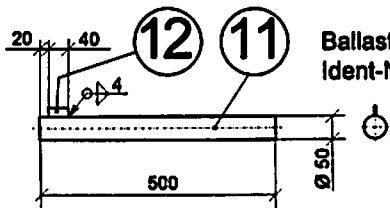
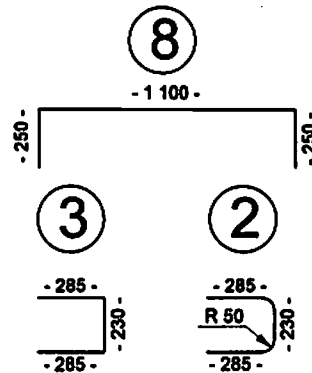
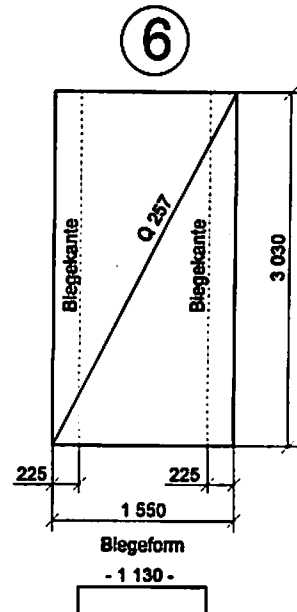
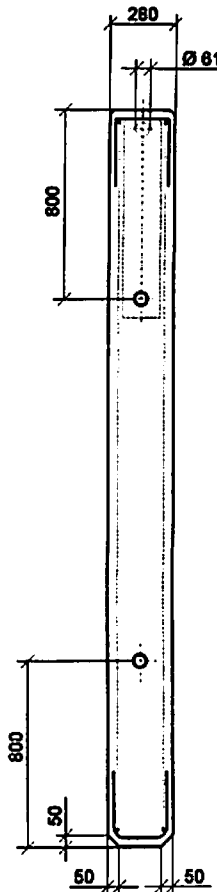
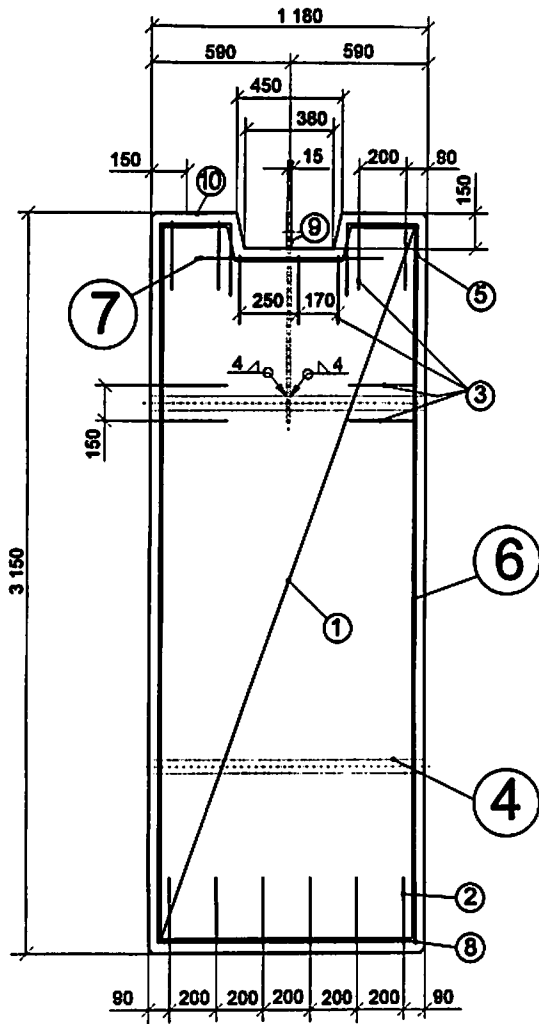
Beispiel:
Anordnung der Gegenballastblöcke
45,0 m Ausladung

Gegenballast:  4xA + 1xB + 1xB

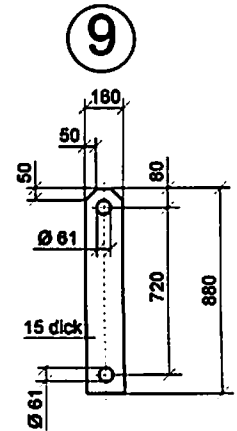
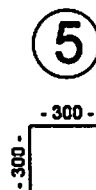


Gegenballastblock "A"
Gewicht: 2 500 kg

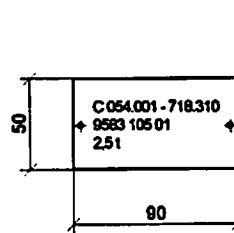
C 054.001 - 718.310
 alle Maße in mm



Ballastaufhängung C 018.002 - 718.111
 Ident-Nr. 9516 797 01



| Tell | Stück | Block A |
|------|-------|-----------------------------------|
| 1 | 2 | Q 257, 1 550 x 3 030 |
| 2 | 6 | $\varnothing 6 \times 800$ |
| 3 | 11 | $\varnothing 6 \times 800$ |
| 4 | 2 | Rohr 60,3 x 3,6x 1 180 St 37 |
| 5 | 4 | $\varnothing 10 \times 900$ |
| 6 | 4 | $\varnothing 10 \times 3 030$ |
| 7 | 2 | $\varnothing 10 \times 800$ |
| 8 | 2 | $\varnothing 10 \times 1 600$ |
| 9 | 1 | Blech 15 x 160 x 880 St 37 |
| 10 | 1 | Ballastschild |
| 11 | 2 | $\varnothing 50 \times 500$ St 37 |
| 12 | 2 | Flacheisen 20 x 5 x 40 St 37 |



Schild
C 054.001 - 718.310/110
 Ident-Nr. 9583 106 01
 (kann bei LBC bestellt werden)



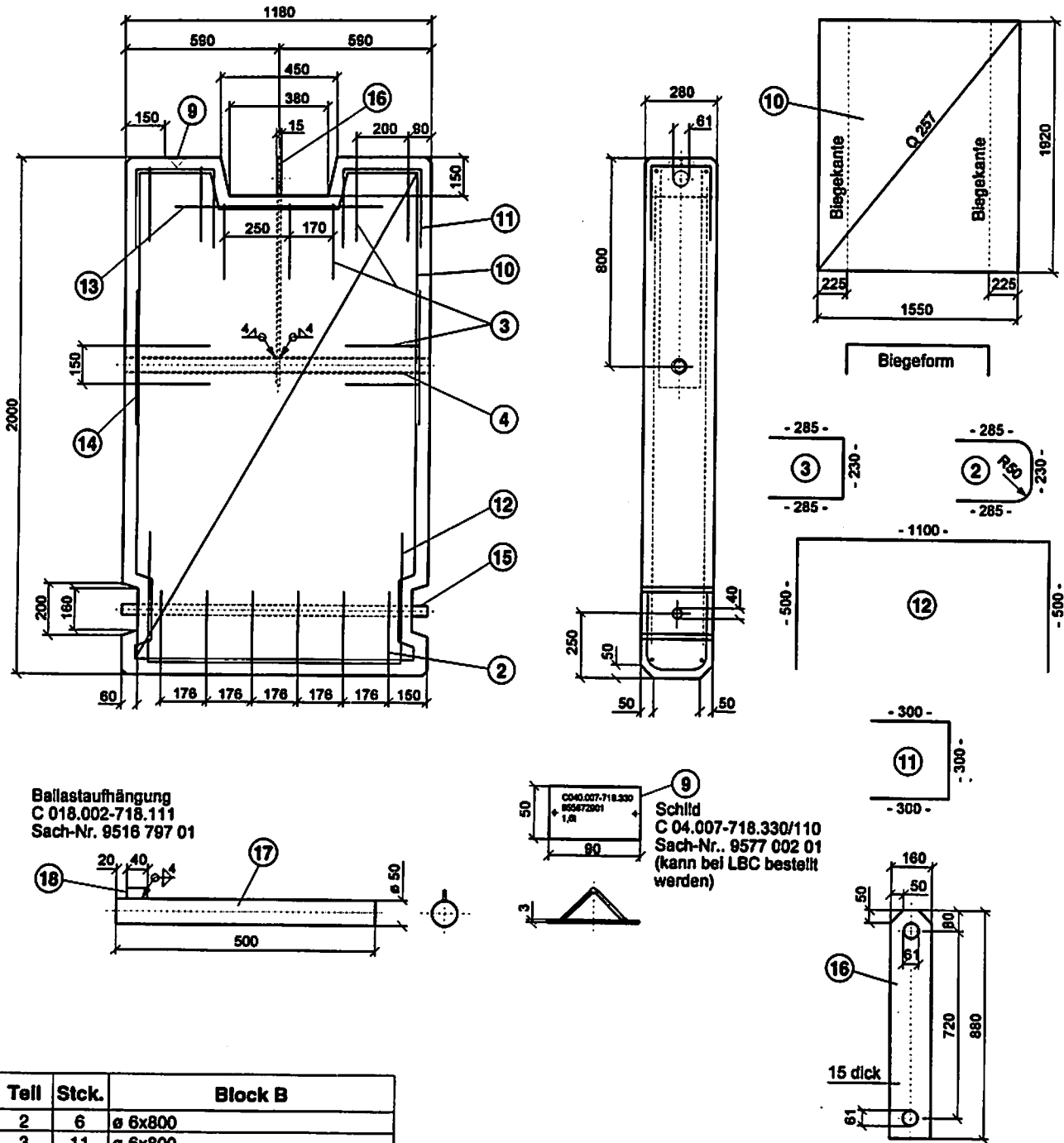
Betondeckung min. 2,5 cm
 Betongüte B 25
 Baustahl BST 500/550
 alle Kanten 20x45° gebrochen

$\gamma = 2,4 \text{ t/m}^3$

Gegenballastblock "B"

Gewicht: 1 600 kg

Zeichn.-Nr. C 040.007-718.330



Ballastaufhängung
C 018.002-718.111
Sach-Nr. 9516 797 01

CD-040.007-718.330
950672901
1,0
Schild
C 04.007-718.330/110
Sach-Nr. 9577 002 01
(kann bei LBC bestellt werden)

| Teil | Stck. | Block B |
|------|-------|-------------------------|
| 2 | 6 | ø 6x800 |
| 3 | 11 | ø 6x800 |
| 4 | 1 | Rohr 60,3x3,6x1180 St37 |
| 9 | 1 | Ballastschild |
| 10 | 2 | Q 257; 1550x1920 |
| 11 | 4 | ø 10x900 |
| 12 | 2 | ø 10x1975 |
| 13 | 2 | ø 10x800 |
| 14 | 4 | ø 10x1600 |
| 15 | 1 | ø 40x1180 St37 |
| 16 | 1 | Blech 15x160x880 St 37 |
| 17 | 2 | ø 50x500 St37 |
| 18 | 2 | Flacheisen 20x5x40 St37 |

Betondeckung min. 2,5 cm
Betongüte B 25
Baustahl BSt 500/550

alle Maße in mm

alle Kanten 20x45° gebrochen