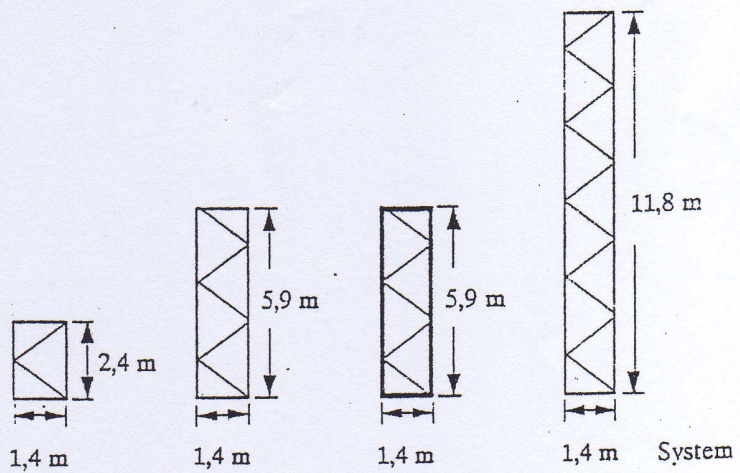
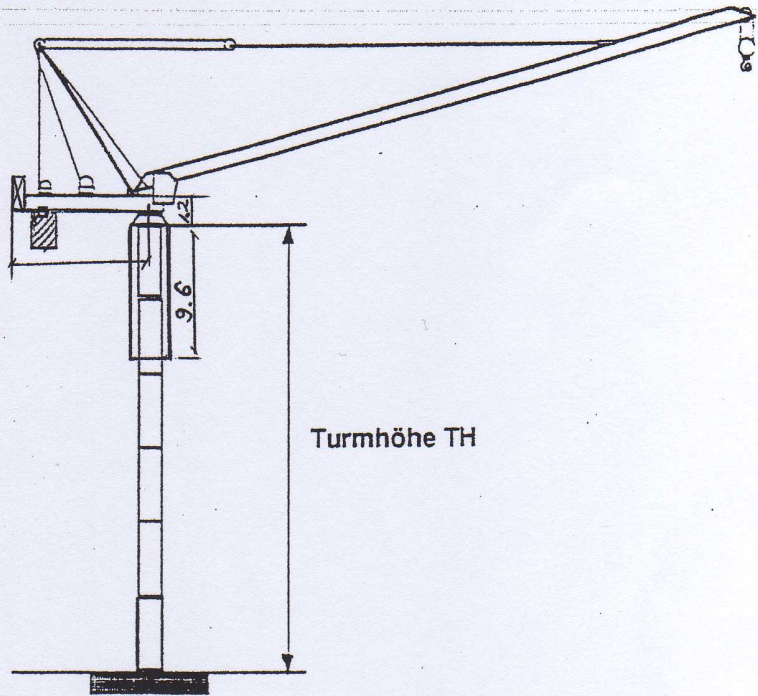


1.1.1 Turmhöhen

Version A - Kran auf Einzelfundament Turm TS 14

Ausladung: L1 = 30,0 m
L2 = 35,0 m
L3 = 40,0 m

| TH | L1 | L2/L3 |
|------|--|--|
| 35,6 | 5 x TS 14.3 1 x TSV 14.3 | |
| 34,5 | 2 x TS 14.5 4 x TS 14.3 1 x TSV 14.3 | |
| 32,1 | 1 x TS 14.5 5 x TS 14.3 | L2/L3 |
| 29,7 | 5 x TS 14.3 | 4 x TS 14.3 1 x TSV 14.3 |
| 28,6 | 2 x TS 14.5 4 x TS 14.3 | 2 x TS 14.5 3 x TS 14.3 1 x TSV 14.3 |
| 26,2 | 1 x TS 14.5 4 x TS 14.3 | 1 x TS 14.5 4 x TS 14.3 |
| 23,8 | 4 x TS 14.3 | 4 x TS 14.3 |
| 22,7 | 2 x TS 14.5 3 x TS 14.3 | 2 x TS 14.5 3 x TS 14.3 |
| 20,3 | 1 x TS 14.5 3 x TS 14.3 | 1 x TS 14.5 3 x TS 14.3 |
| 17,9 | 3 x TS 14.3 | 3 x TS 14.3 |
| 16,8 | 2 x TS 14.5 2 x TS 14.3 | 2 x TS 14.5 2 x TS 14.3 |
| 14,4 | 1 x TS 14.5 2 x TS 14.3 | 1 x TS 14.5 2 x TS 14.3 |
| 12,0 | 2 x TS 14.3 | 2 x TS 14.3 |
| 10,9 | 2 x TS 14.5 1 x TS 14.3 | 2 x TS 14.5 1 x TS 14.3 |
| 8,5 | 1 x TS 14.5 1 x TS 14.3 | 1 x TS 14.5 1 x TS 14.3 |
| 6,1 | 1 x TS 14.3 | 1 x TS 14.3 |

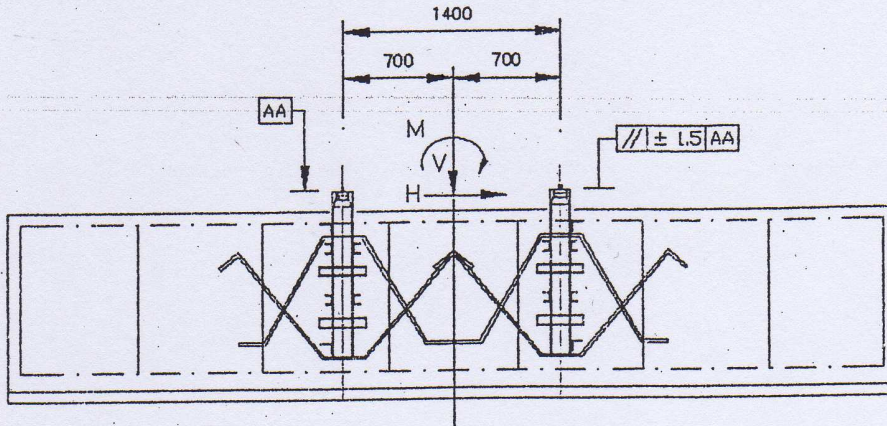


TS 14.5 TS 14.3 TSV 14.3 TS 14.4

$$1 \times \text{TS 14.4} = 11,8 \text{ m} = 2 \times \text{TS 14.3}$$

Der Turmschuß TSV 14.3(verstärkt) ist immer ganz unten einzubauen.
Die Turmschüsse TS 14 können in beliebiger Reihenfolge eingebaut werden.
Es wird empfohlen, die langen Turmschüsse unten einzubauen.

2) 기초강도계산



· 기초 철근 콘크리트 사양

| | | |
|--------------------------|---|-------------------------|
| 콘크리트 압축강도 (f_c) | : | 240 kg/cm ² |
| 콘크리트 허용압축강도 (f_{oc}) | : | 80 kg/cm ² |
| 철근 항복강도 (f_{ys}) | : | 40 kg/mm ² |
| 철근허용 인장강도 (f_{os}) | : | 2200 kg/cm ² |
| 허용 지내력 qa | : | 20 Ton / M ² |
| 기초 콘크리트 크기 | : | 5.9M x 5.9M x 1.2M |
| 기초 콘크리트 비중 | : | 2400 kg/M ³ |

· 기초 하중과 모멘트

| | | |
|-----------------------|---|---------------------------------|
| INSERVICE (가동시) | : | V = 422 kN = 43061 kg |
| | | H = 26 kN = 2653 kg |
| | | M = 1640 kN · m = 167347 kg · m |
| OUT OF SERVICE (비가동시) | : | V = 329 kN = 33571 kg |
| | | H = 80 kN = 8163 kg |
| | | M = 2097 kN · m = 213980 kg · m |

* 상기 결과에서 기초강도계산은 비가동시 기준으로 계산한다.

055-804-0001

PEINER HTS

Geschäftsbereich der

**NEILL SERVICE UND
MASCHINENTECHNIK GMBH**

Gotthilfstraße 1-7 · 54294 Trier
Tel. 06 51/81 00 80 · Fax 06 51/8 76 40

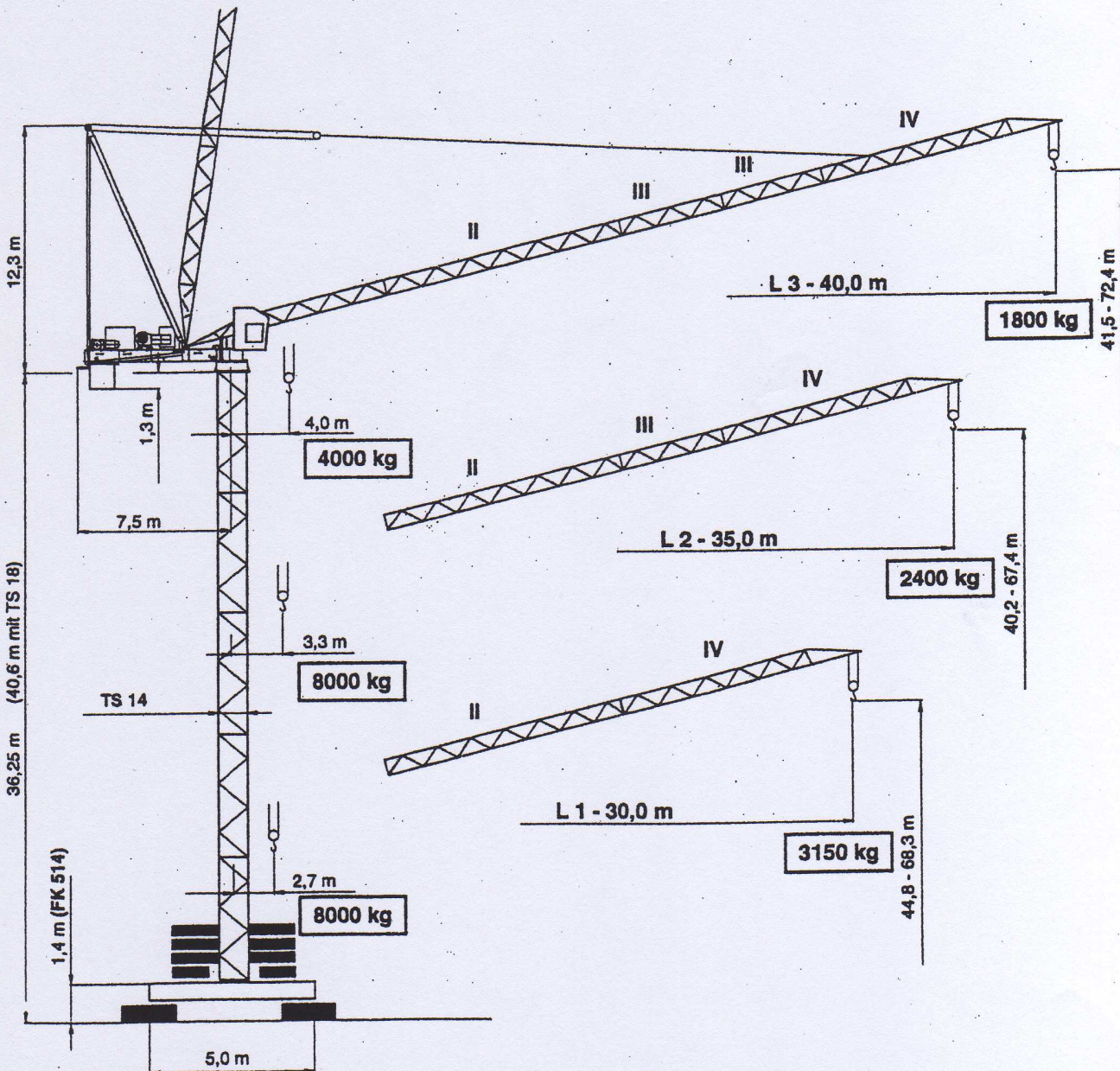
Ein Unternehmen
der Preussag



Typenblatt Specification Sheet Fiche Technique

PEINER SN 86

| | |
|---|---------------|
| DIN 15018 | H1 / B3 |
| BGL 2124 | 0080 |
| Max. Tragfähigkeit Lifting capacity Force de levage | 8,0 t (4,0 t) |
| Max. Ausladung Radius Portée | 40,0 m |



Unsere Vertretung:
Our representative:
Notre représentant:

SN 86 Ausladung und Tragfähigkeit / radius and capacity / Portée et charge

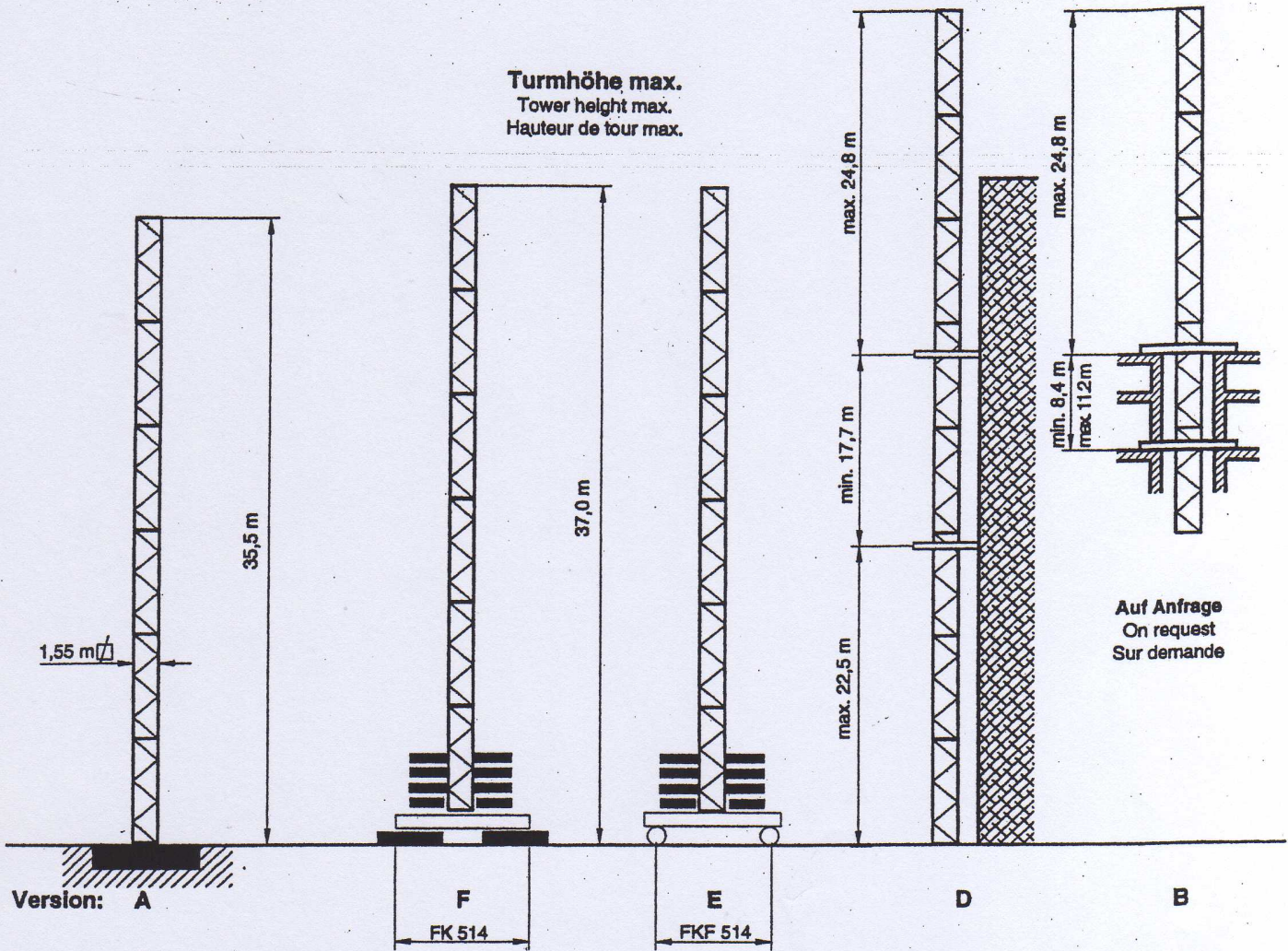
| Ausleger Jib Flèche | Max. Tragfähigkeit Max. Capacity Charge maxi | Ausladung (m) und Tragfähigkeit (t) Radius (m) and capacity (t) Portée (m) et charge (t) | | | | | | | | | | | | | | | | | | |
|---------------------------|---|--|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------------------|
| | | | | | | | | | | | | | | | | | | | | |
| m | 8,0 (4,0) t | 11,4 | 12,5 | 14,0 | 16,0 | 18,0 | 19,0 | 20,0 | 22,0 | 24,0 | 26,0 | 28,0 | 30,0 | 32,0 | 34,0 | 35,0 | 36,0 | 38,0 | 40,0 | außer Betrieb |
| L3 40,0 m | 3,3 m - 19,0 m | 4,00 | 4,00 | 4,00 | 4,00 | 4,00 | 4,00 | 3,80 | 3,44 | 3,13 | 2,88 | 2,66 | 2,46 | 2,30 | 2,15 | 2,09 | 2,02 | 1,91 | 1,80 | 20,0 m |
| L2 35,0 m | 2,7 m - 11,4 m | 8,00 | 7,26 | 6,45 | 5,61 | 4,95 | 4,67 | 4,42 | 4,00 | 3,64 | 3,33 | 3,08 | 2,85 | 2,65 | 2,48 | 2,40 | | | | 16,0 m |
| L1 30,0 m | 2,1 m - 12,5 m | 8,00 | 8,00 | 7,09 | 6,17 | 5,45 | 5,15 | 4,87 | 4,40 | 4,01 | 3,68 | 3,40 | 3,15 | | | | | | | 14,0 m |

Geschwindigkeiten / Speeds / Vitesses

| | | | | | |
|------------------------|--|--------------------------------|--|------------|-----------------------|
| PU 24-30/3 | | t = 1,0 / 2,0 / 8,0 min | Motorleistung Power Puissance | 24,0 kW | |
| SR 5-90/3 | | v = 0 → 25 m / min | | 2 x 5,0 kW | |
| K SRA 55/4 | | n = 0 → 0,85 min ⁻¹ | | 4,4 kW | |
| Type | HK - = max. 130 m 3 Lagen / 3-layers / 3-couches | | Motorleistung Power Puissance | 28,0 kW | |
| SR WB 28-40/2F | | → 70 m / min 2 000 kg | | | → 35 m / min 4 000 kg |
| | | → 35 m / min 4 000 kg | | | → 17 m / min 8 000 kg |
| | | → 3,5 - 7,0 m / min | | | → 1,7 - 3,5 m / min |
| 400 V 50 Hz 3 Ph | Gesamtmotorenleistung / Total motor output / Puissance totale moteurs | | | 66,4 kW | |
| | Anschlußleistung / Connected power / Puissance installée | | | 200 kVA | |

Gegengewichtsballast / Counterweight / Contrepoids

| Ausleger / Jib / Flèche | | L 1 | L 2 | L 3 |
|--|-----|-----------|-----------|-----------|
| Gegengewicht Counterweight Contrepoids | BG | 11 000 kg | 11 000 kg | 11 000 kg |
| | (t) | 2 x 5,50 | 2 x 5,50 | 2 x 5,50 |



| TS 14 | | Version A | Version E | | | | Version F | | | |
|-----------------------------|-------------|---|--|----------------------|---------|---|---|------|---------|---------|
| Turm, Tower, Tour | | TH | TH | BZ + BF | y | y | TH | BZ | y | y |
| TS 14.3 | TS 14.4 | m | m | t | i.B. kN | a.B. kN | m | t | i.B. kN | a.B. kN |
| 5 x TS 14.3 1 x TSV 14.3 | | 35.5* | 37.0* | 73 | 488 | 583 | 37.0* | 72.2 | 495 | 596 |
| 4 x TS 14.3 1 x TSV 14.3 | | 29.6** | 31.1** | 63 | 442 | 563 | 31.1** | 62.2 | 449 | 567 |
| 4 x TS 14.3 | 2 x TS 14.4 | 23.7 | 25.2 | 53 | 395 | 434 | 25.2 | 52.2 | 402 | 441 |
| 3 x TS 14.3 | | 17.8 | 19.3 | 43 | 349 | 344 | 19.3 | 42.2 | 356 | 351 |
| 2 x TS 14.3 | 1 x TS 14.4 | 11.9 | 13.4 | 33 | 305 | 279 | 13.4 | 32.2 | 312 | 273 |
| 1 x TS 14.3 | | 6.0 | 7.5 | 33 | 287 | 256 | 7.5 | 32.2 | 294 | 237 |
| | | Fundament Foundation Fondation | Fundamentkreuz Cruciform base Croix de fondation | | | | Fundamentkreuz, fahrbar Cruciform base, railgong Croix de fondation, mobile | | | |
| | | 5,6 m x 5,6 m x 1,2 m | FK 514 | | | | FKF 514 | | | |
| | | Fundamentfüße Fixing angles Ancres de fondation | BF | BZ | | Fahrschemel / bogie Curve / curve / courbe | | | | |
| | | 4 x FF 10/14 | 4 x 2.7 t | Block 5.0 t 6.1 t | | F 320 | | | | |

* nur bei L1

** bei L1 = 5 x TS 14.3

TS 14.3 = 5,9 m

TS 14.4 = 11,8 m

TSV 14.3 = 5,9 m

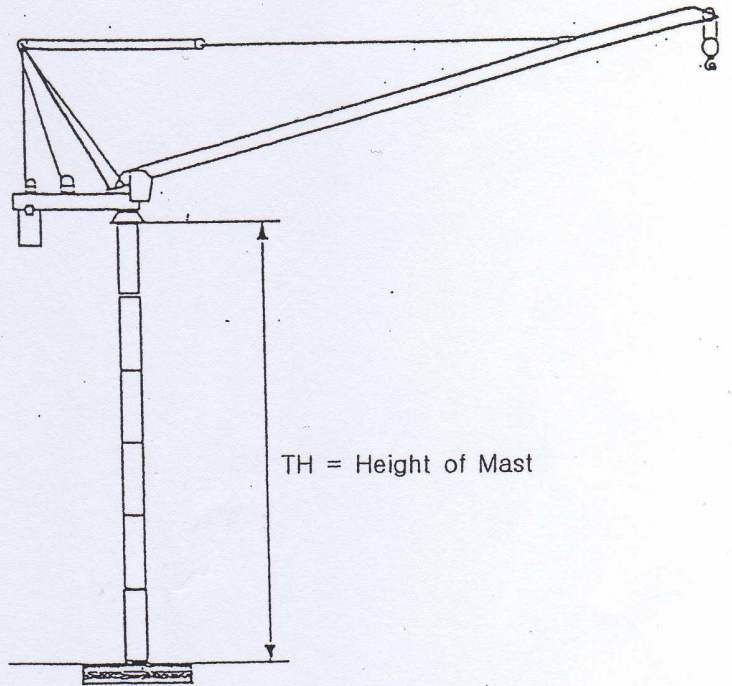
5) 마스트 높이(Heights of Mast)

Version A-Crane on Concrete Foundation Mast TS 14

Jib : L1 = 30.0 m

L2 = 35.0 m

L3 = 40.0 m



| TH | L1 | L2/L3 |
|------|-----------------------------|-----------------------------|
| 35.6 | 5 x TS 14.3 1 x TSV 14.3 | L2/L3 |
| 29.7 | 5 x TS 14.3 | 4 x TS 14.3 1 x TSV 14.3 |
| 23.8 | 4 x TS 14.3 | 4 x TS 14.3 |
| 17.9 | 3 x TS 14.3 | 3 x TS 14.3 |
| 12.0 | 2 x TS 14.3 | 2 x TS 14.3 |
| 6.1 | 1 x TS 14.3 | 1 x TS 14.3 |

• Mast Section (TSV 14.3)이 항상 기초위에 기본으로 설치되어진다.

• Mast Section (TS 14.3)을 흑크 높이에 따라 소요수량을 설치한다.