

**Mastskizze: 6824/022**

The diagram shows a vertical mast with a central axis. At the top is a red circle with a cross, representing a pulley or support. Below it, a horizontal line segment is labeled 'C' on the left and 'D' on the right, with a dimension of '6.50' on each side. Below this, another horizontal line segment is labeled 'B' on the left and 'E' on the right, with a dimension of '7.00' on each side. Below that, a horizontal line segment is labeled 'A' on the left and 'F' on the right, with a dimension of '7.50' on each side. At the bottom, a horizontal line segment is labeled '3.50' on the left and '3.50' on the right, with a dimension of '4.25' on each side. The mast is supported by a green base at the bottom. The mast is labeled 'ES' at the top, 'I' below the first segment, 'JA' below the second segment, 'II' below the third segment, 'III' below the fourth segment, and 'IV' at the bottom. The mast is also labeled 'Mastskizze: 6824/022' at the top.

Segment	Left Dimension	Right Dimension	Right Value
ES	-	-	37.20
I	6.50	6.50	32.70
JA	2.00 2.00 3.75	3.75 2.00 2.00	32.12
II	7.00	7.00	29.20
III	7.50	7.50	25.70
IV	3.50 3.50 4.25	4.25 3.50 3.50	16.70
Base	-	-	0.00

Mastskizze: 6824/023

The diagram shows a vertical mast with a central axis. Horizontal dimensions are given at four levels, with values on the left and right of the axis. The levels are labeled on the left as ES, I, II, and III. The corresponding height values are on the right: 34.20, 30.70, 27.20, and 23.70. The base is at 0.00. The horizontal dimensions are: Level I (3.25, 3.25), Level II (3.75, 3.75), Level III (4.25, 4.25). The mast is supported by a base at 0.00.

Level	Left Dimension	Right Dimension	Height
ES			34.20
I	3.25	3.25	30.70
II	3.75	3.75	27.20
III	4.25	4.25	23.70
Base			0.00

**Masterkizze: 6B24/024**

ES 32.20

I 28.70

II 25.20

III 21.70

0.00

**Maßstabskizze: 6824/025**

ES 32.20

I 28.70

II 25.20

III 21.70

0.00

**Maßstabskizze: 6824/026**

ES 30.20

I 26.70

II 23.20

III 19.70

0.00

3.25 3.25

3.75 3.75

4.25 4.25

C D

B E

A F

X

[illegible]

Mastskizze: 6824/02B

The diagram shows a vertical mast with a central axis. A red 'X' marks the top. A green horizontal line is at the base. Labels and heights are as follows:

Label	Height (m)
ES	37.20
I	32.70
II	29.20
III	25.70
Base	0.00

Horizontal labels on the mast:

- At 32.70 m: C (left), D (right)
- At 29.20 m: B (left), E (right)
- At 25.70 m: A (left), F (right)

Distances between levels (indicated by blue lines):

- Between 32.70 m and 29.20 m: 3.25 m (C to B), 3.25 m (D to E)
- Between 29.20 m and 25.70 m: 3.75 m (B to A), 3.75 m (E to F)
- Between 25.70 m and 0.00 m: 4.25 m (A to base), 4.25 m (F to base)

6821  
6824/022(A68\_1 WA3-WE3-Harte+8) - 6821/001(A3.0/04 WA1+0)  
A: 1 AL/ST 265/35  
B: 1 AL/ST 265/35  
C: 1 AL/ST 265/35  
D: 1 AL/ST 265/35  
E: 1 AL/ST 265/35  
F: 1 AL/ST 265/35

Lastfallliste	
1	150° KRÐ
2	40° KRÐ
3	40° KRÐ W(aus)
4	-5° Eis KRÐ
5	-5°FUZ KRÐ
6	80° KRÐ
7	40° Wind(aus)
8	-5° FUZ
9	40°
10	-5°
11	-5° Eis

Herkunft	: ohne Angaben
Lage	:
Art, Nr.	:
Höhe ü. NN.	:
Letzte Festl.	:

S	Ebene	Traverse
A	III	4.25 li.
B	II	3.75 li.
C	I	3.25 li.
D	I	3.25 re.
E	II	3.75 re.
F	III	4.25 re.
Y	FS	0.00

- Verbindungslinie der Aufhängepunkte, untere Leiterseite
- Durchgangslinie der unteren Leiterseite bei maximaler Belastung
- - - Bodenabstandskurve

## 110-kV Hochspannungsfreileitung

### 3. Bauabschnitt

UW Großräschen - Mast 29

Maßstab der Längen 1:2000  
Maßstab der Höhen 1: 500

von Mast 6824/022 bis Mast 6824/028

Masttypen: A68_1 Berechnungsverfahren Ket, Norm VDE 1/11 HSP, $q = 9.81 \text{ m/s}^2$ 1 fache Windlast Zone 2 (3 Jahre), 1 fache Eislast (Zone 1) Tragkettenlänge Soll 2015 Traversenhöhen Soll 2015 Seilkurve 150° KRD (31), ES/LWL Seilkurve 40° KRD (36) 40 Jahre	DIN VDE 12/85 (-5°C+Eis): LS po SOLL = 82.00 N/mm² LES po SOLL = 82.00 N/mm² ES po SOLL = N/mm²
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<p>Ausgabe: 07.11.17 09:15:40          Erstellt: 16.03.15 00:00:00          Inhalt: Neufassung</p>	<div data-bbox="3855 1343 3948 1356">  </div> <div data-bbox="4012 1343 4151 1356"> <p>Gehört zum Planfeststellungs-              beschluss des LBGR              vom 17.07.12              Az.: 2/12-1000</p> </div> <div data-bbox="4012 1356 4151 1369"> <p>Ein Unternehmen der              Envia-Gruppe</p> </div> <div data-bbox="4156 1356 4181 1360"> <p>0076</p> </div>
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