



Technical drawing of a cable-stayed bridge layout, showing two spans with various dimensions, cable numbers, and structural details. The drawing includes a plan view and a side elevation view.

**Plan View Dimensions (m):**

- Span 1 (Left): 125, 40, 23, 536, 137, 40, 23, 113, 40, 23, 137, 536, 40, 23, 137, 536, 1078.
- Span 2 (Right): 125, 40, 23, 536, 137, 40, 23, 113, 40, 23, 137, 536, 40, 23, 137, 536, 1078.

**Cable Details:**

- Cable 1:** 1 K.A.B.  $\phi$  42 mm, D.L. 26.54 m,  $\alpha = 15^\circ$ , R = 10 m, T = 1.32 m, Q = 2.62 m.
- Cable 2:** 2 K.A.B.  $\phi$  42 mm, D.L. 26.60 m,  $\alpha = 18^\circ$ , R = 10 m, T = 1.32 m, Q = 2.62 m.
- Cable 3:** 2 K.A.B.  $\phi$  42 mm, D.L. 26.76 m,  $\alpha = 15^\circ$ , R = 10 m, T = 1.32 m, Q = 2.62 m.
- Cable 4:** 2 K.A.B.  $\phi$  42 mm, D.L. 26.84 m,  $\alpha = 15^\circ$ , R = 10 m, T = 1.32 m, Q = 2.62 m.
- Cable 5:** 2 K.A.B.  $\phi$  42 mm, D.L. 18.85 m,  $\alpha = 20^\circ$ , R = 10 m, T = 1.76 m, Q = 3.49 m.
- Cable 6:** 2 K.A.B.  $\phi$  42 mm, D.L. 18.85 m,  $\alpha = 20^\circ$ , R = 10 m, T = 1.76 m, Q = 3.49 m.
- Cable 7:** 2 K.A.B.  $\phi$  42 mm, D.L. 16.85 m,  $\alpha = 20^\circ$ , R = 10 m, T = 1.76 m, Q = 3.49 m.
- Cable 8:** 2 K.A.B.  $\phi$  42 mm, D.L. 16.85 m,  $\alpha = 20^\circ$ , R = 10 m, T = 1.76 m, Q = 3.49 m.
- Cable 9:** 2 K.A.B.  $\phi$  42 mm, D.L. 16.85 m,  $\alpha = 20^\circ$ , R = 10 m, T = 1.76 m, Q = 3.49 m.
- Cable 10:** 2 K.A.B.  $\phi$  42 mm, D.L. 16.85 m,  $\alpha = 20^\circ$ , R = 10 m, T = 1.76 m, Q = 3.49 m.
- Cable 11:** 2 K.A.B.  $\phi$  42 mm, D.L. 16.85 m,  $\alpha = 20^\circ$ , R = 10 m, T = 1.76 m, Q = 3.49 m.
- Cable 12:** 2 K.A.B.  $\phi$  42 mm, D.L. 16.85 m,  $\alpha = 20^\circ$ , R = 10 m, T = 1.76 m, Q = 3.49 m.
- Cable 13:** 2 K.A.B.  $\phi$  42 mm, D.L. 16.85 m,  $\alpha = 20^\circ$ , R = 10 m, T = 1.76 m, Q = 3.49 m.
- Cable 14:** 2 K.A.B.  $\phi$  42 mm, D.L. 16.85 m,  $\alpha = 20^\circ$ , R = 10 m, T = 1.76 m, Q = 3.49 m.
- Cable 15:** 2 K.A.B.  $\phi$  42 mm, D.L. 16.85 m,  $\alpha = 20^\circ$ , R = 10 m, T = 1.76 m, Q = 3.49 m.
- Cable 16:** 2 K.A.B.  $\phi$  42 mm, D.L. 16.85 m,  $\alpha = 20^\circ$ , R = 10 m, T = 1.76 m, Q = 3.49 m.

**Structural Details:**

- Supports:** K1, K2, K3, K4, K5, K6, K7, K8, K9, K10, K11, K12, K13, K14, K15, K16.
- Dimensions:** 125, 40, 23, 536, 137, 40, 23, 113, 40, 23, 137, 536, 40, 23, 137, 536, 1078.
- Angles:**  $\alpha = 15^\circ$ ,  $\alpha = 18^\circ$ ,  $\alpha = 20^\circ$ .
- Distances:** 10 m, 1.32 m, 1.76 m, 2.62 m, 3.49 m.

**Notes:**

- OS ŠKARY OD KONCA
- OS ULOZENIA

Technical drawing of a T-shaped cross-section of a beam. The drawing includes the following dimensions and details:

- Overall Dimensions:**
  - Top flange width: 115
  - Top flange thickness: 26
  - Web width: 22
  - Web thickness: 19
  - Bottom flange width: 22
  - Bottom flange thickness: 26
  - Overall height: 125
  - Overall width: 125
- Reinforcement Details:**
  - Top reinforcement: 12 bars (12 12 13 14)
  - Bottom reinforcement: 10 bars (1 2 3 4 5 6 7 8 9 10)
  - Stirrups: 8 mm diameter, spaced at 21.5 cm.
- Geometric Details:**
  - Radius of fillet:  $R = 30 \text{ cm}$
  - Angle of fillet:  $74^\circ 32'$
  - Radius of fillet:  $R = 30 \text{ cm}$
  - Angle of fillet:  $84^\circ 16'$

OTVORY PRESUN (NAJED)

125

86

24

7

115

29.5

10

36

10

29.5

9

9

13

9

9

11

12

15

16

13

14

1

2

3

4

5

6

7

8

9

10

21.5

8

8

8

8

8

8

8

8

21.5

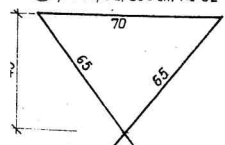
115



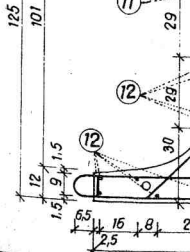
**B**



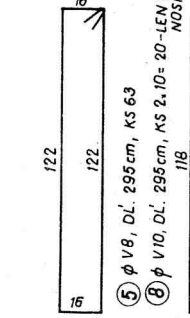
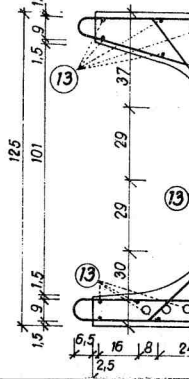
OHNUTÉ POČAS \_\_\_\_\_  
BETONÁŽE NOSNÍKA



115



115



LEN U KONCOV  
NOSNIKA