



Technical drawing of a roof structure showing a cross-section with various dimensions and labels. The drawing includes a main horizontal line representing the roof profile, with several vertical lines indicating structural elements and dimensions. Key labels include:

- P9.3**, **P75**, **P59**, **P39**: Labels for specific points or sections along the roof profile.
- 2N15ø10 C=1200**: Dimension for the spacing of reinforcement bars.
- 2N11ø10 C=765**, **2N12ø10 C=745**, **2N13ø10 C=745**: Dimensions for the spacing of reinforcement bars at different levels.
- 46x1N18ø5c/15**: Dimension for the spacing of reinforcement bars.
- V-1106 (15x30)**, **V-1107 (15x30)**, **V-1108 (15x30)**: Labels for vertical reinforcement elements.
- 345**, **415**, **360**: Horizontal dimensions for specific sections.
- 30**, **690**, **1515**: Horizontal dimensions for the overall structure.

Technical drawing of a bridge deck cross-section showing reinforcement details. The drawing includes a top reinforcement layer with 2N24 bars (C=1195) and a bottom reinforcement layer with 2N20 bars (C=760). Vertical stirrups (V=1111, 15x30) are shown at 683mm intervals. The deck width is 15.15m. The drawing also shows the placement of 2N25 bars (C=760) and 2N26 bars (C=375) for the top reinforcement.

Technical drawing of a beam cross-section showing dimensions and reinforcement details. The drawing includes the following information:

- Top Reinforcement:** 2N2.3ø10 C=750. The center-to-center spacing between bars is 728.
- Bottom Reinforcement:** 2N22ø10 C=750. The center-to-center spacing between bars is 750.
- Additional Bottom Reinforcement:** 46x1N18x5C/15. The center-to-center spacing between bars is 883.
- Beam Dimensions:** The total width of the beam is 1515. The total height of the beam is 1530.
- Reinforcement Labels:** V-1115 and 15x30.
- Other Dimensions:** The distance from the left edge to the first bar is 1515. The distance from the last bar to the right edge is 30.

Technical drawing of a bridge deck cross-section showing reinforcement details. The drawing includes a top reinforcement layer with bars labeled P95, P87, P77, P68, P61, P52, P45, P41, P30, P20, P13, and P0. The bottom reinforcement layer has bars labeled V-1116, V-1117, V-1118, V-1119, V-1120, V-1121, V-1122, V-1123, V-1124, V-1125, and V-1126. The drawing also shows the deck width, reinforcement spacing, and section markers A-A and B-B.

Technical drawing of a roof structure, showing two views: a plan view (top) and a side elevation view (bottom).

Plan View (Top):

- Overall width: 260
- Overall length: 2N38ø10 C=279
- Four circular ventilation openings are shown, labeled V-1132, V-1131, V-1128, and V-1127.
- Dimension for the openings: 15x30
- Section line A-A is indicated.

Side Elevation View (Bottom):

- Overall height: 2.5
- Overall length: 2N37ø10 C=279
- Dimension for the roof structure: 16x1N39ø5c/15
- Section line A-A is indicated.

Diagram of a rectangular plate with dimensions 30 and 15. A smaller rectangle is shown inside with dimensions 25 and 15.

[illegible]

The diagram shows a large rectangle with a width of 30 and a height of 15. Inside this rectangle is a smaller rectangle with a width of 25 and a height of 10. The smaller rectangle is centered within the larger one, leaving a uniform border of 2.5 units on all sides. The dimensions are labeled with arrows indicating the measurement direction.

Technical drawing of a beam cross-section and elevation. The cross-section shows a rectangular beam with a central vertical slot. Dimensions include a total width of 350, a slot width of 15, and a slot depth of 15. The elevation shows a beam with a total length of 350, a central slot of width 15, and a slot depth of 15. The beam is supported by two vertical supports, each 15 units wide. The beam is labeled with "2N4010 C=398" and "23x1N4395/15". A note indicates "V-1129 15x30".

Figure 1: Schematic diagram of the test specimen. The diagram shows a horizontal bar with various dimensions and labels. At the top, there are four ovals labeled P23, P15, P11, and P09. Below them, dimensions 172, 85, and 123 are indicated. A central dimension of 2N64±10 C=385 is shown. Below this, there are three ovals labeled V-1133, V-1134, and V-1135, each with dimensions 15x30. Arrows labeled 'A' point to specific locations on the bar. At the bottom, there are dimensions 120 and 2N63±10 C=396. Below this, there are three ovals labeled 5x 1N65±5 c/15, 10x1N65±5c/15, and 7x1N65±5 c/13. The entire diagram is enclosed in a rectangular frame with dimensions 200 and 100.

Technical drawing of a mechanical part, showing a cross-section and a side view. The cross-section is a rectangle with a central hole. The side view shows the profile of the part. Dimensions are given in millimeters. The drawing is labeled "Corte A" and "Escala 1:2".

Top View (Cross-section):

- Overall width: 100
- Overall height: 20
- Central hole diameter: $\varnothing 10$
- Material: 2N68 $\varnothing$ 10 C=105
- Internal features: V=11.36, 15x30

Side View (Profile):

- Overall height: 30
- Overall width: 15
- Material: 5N68 $\varnothing$ 5 C=80

Bottom View (Cross-section):

- Overall width: 150
- Overall height: 20
- Central hole diameter: $\varnothing 10$
- Material: 2N66 $\varnothing$ 10 C=118
- Internal features: 5x 1N68 $\varnothing$ 5 c/15

Piso 1
Desenho de vigas
Concreto: C20, em geral
Aço: CA-50-A e CA-60-B
Escala vigas: 1:50
Escala seções: 1:20