

Technical drawing of a mechanical part with dimensions and tolerances:

- Overall height: 115
- Overall width: 50
- Top section height: 40
- Bottom section height: 55
- Top section width: 40
- Bottom section width: 50
- Top section material: N2
- Bottom section material: CA
- Top section tolerance: ± 0.05
- Bottom section tolerance: ± 0.10
- Top section surface finish: $R_a = 0.4$
- Bottom section surface finish: $R_a = 0.8$
- Top section thread: $M12 \times 1.5$
- Bottom section thread: $M12 \times 1.5$
- Top section thread tolerance: $H7/g6$
- Bottom section thread tolerance: $H7/g6$
- Top section thread length: 10
- Bottom section thread length: 10
- Top section thread diameter: $\phi 12$
- Bottom section thread diameter: $\phi 12$
- Top section thread pitch: 1.5
- Bottom section thread pitch: 1.5
- Top section thread class: H7/g6
- Bottom section thread class: H7/g6
- Top section thread length: 10
- Bottom section thread length: 10
- Top section thread diameter: $\phi 12$
- Bottom section thread diameter: $\phi 12$
- Top section thread pitch: 1.5
- Bottom section thread pitch: 1.5
- Top section thread class: H7/g6
- Bottom section thread class: H7/g6

BALDRAME - L1

SECÃO
ESC 1:20

20
20

VISTA H

14
14

14
14

6 N5 ø5.0 C=67 2x3 N6 ø5.0 C=54

-100

0

96
4 N10 ø10.0 C=152

20

70
6 N5 ø12
2x3 N6 ø12

30

Technical drawing of a rectangular plate with two circular holes. The top view shows a plate with overall dimensions 130 (width) x 30 (height). It has two circular holes with diameter 20, spaced 120 apart. The holes are positioned 37.5 from the top and bottom edges. The plate has a thickness of 6. The side view shows the plate's profile with a total height of 46 (30 thickness + 8 flange height) and a width of 121 (120 hole spacing + 1 flange width). The flange has a thickness of 8. The drawing includes dimension lines and labels for various parts and features.

[illegible]

Technical drawing of a rectangular base plate. The plate has a width of 45 and a height of 31. It features a central rectangular cutout with a width of 16.3 and a height of 25. The plate is labeled with 'N8' at the top, 'N4' on the left, and 'N9' at the bottom. Below the plate, the dimensions are given as 6 N4 ø5.0 c/25 C=163.

BALDRAME - L1

SEÇÃO
ESC 1:20

20

20

VISTA B

14

14

6 N5 ø5,0 C=67 2x3 N6 ø5,0 C=54

0

-100

96

4 N10 ø10,0 C=152

20

30

70

Technical drawing of a mechanical part, likely a bracket or support, showing dimensions and tolerances.

Dimensions and Tolerances:

- Total height: 125
- Base width: 50
- Base thickness: 31
- Central vertical slot width: 40
- Horizontal slot width: 55
- Horizontal slot depth: 5
- Horizontal slot position from top: 70
- Horizontal slot position from bottom: 10
- Top surface tolerance: N7
- Bottom surface tolerance: CA: -11
- Bottom surface tolerance: 4 N2 65.0 C=173

BALDRAME - L1

SEÇÃO
ESC 1:20

VISTA H

14

14

14

14

7 N5 ø5.0 C=67 2x3 N6 ø5.0 C=54

VISTA B

-110

106

4 N11 ø10.0 C=162

20

90

30

7 N5 ø12 2x3 N6 ø12

BALDRAME - L1

SEÇÃO
ESC 1:20

20

VISTA H

14

14

14

14

7 N5 a5.0 C=67 2x3 N6 a5.0 C=54

VISTA B

-110

106

6 N11 a10.0 C=162

20

90

2x3 N6 a12

7 N5 a12

Figure 1 shows two diagrams of a vertical column. The left diagram shows a column with a total height of 38, divided into segments of 20, 106, and 6. The right diagram shows a column with a total height of 30, divided into segments of 20, 106, and 6. The column is labeled "6 M11 @ 10.0 C=162".

Technical drawing of a square plate with a central hole. The top view shows a 60x60 mm square with a 30x30 mm hole. The side view shows a 51x51 mm square. Dimensions are given in mm.

Technical drawing of a reinforced concrete slab (N2) showing dimensions and reinforcement details. The drawing includes a side elevation and a plan view.

Side Elevation:

- Overall height: 135
- Height of the slab: 55
- Height of the support: 40
- Reinforcement bar diameter: $\varnothing$
- Reinforcement bar spacing: 5 N
- Reinforcement bar length: 80
- Reinforcement bar angle: CA : -12

Plan View:

- Width: 50
- Height: 31
- Reinforcement bar diameter: $\varnothing$
- Reinforcement bar spacing: 4 N2 $\varnothing$ 5.0 C=173

BALDRAME - L1

SECÃO
ESC 1:20

20

VISTA H

20

VISTA B

14

14

14

8 N5 ø5.0 C=67 2x3 N6 ø5.0 C=54

116

4 N12 ø10.0 C=172

20

-120

90

8 N5 ø12 2x3 N6 ø12

30

BALDRAME - L1

SEÇÃO
ESC 1:20

20

VISTA B

14

14

8 N5 ø5.0 C=67 2x3 N6 ø5.0 C=54

14

14

38

2 N13 ø10.0

116

4 N12 ø10.0 C=172

20

-120

Technical drawing of a reinforced concrete column cross-section. The column is rectangular with a width of 38 cm and a height of 20 cm. It is reinforced with 2 N13 bars at the top and 4 N12 bars at the bottom. The reinforcement is arranged in a rectangular pattern with a clear distance of 116 cm between the top and bottom bars. The concrete has a strength class of C=75. The drawing shows the column with its reinforcement bars and dimensions.

38

116

4 N12 Ø10.0 C=172

20

3x/3	B4	3x/7			
2x/9	3x/1	P4			
2x/5	P7	P8			
P9					
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5,0	40	215	8600
	2	5,0	32	173	5536
	3	5,0	5	345	1725
	4	5,0	6	163	978
	5	5,0	61	67	4087
CA50	6	5,0	54	54	2916
	7	8,0	2	176	352
	8	8,0	4	134	536
	9	8,0	4	178	712
	10	10,0	16	152	2432
	11	10,0	13	162	2288
	12	10,0	6	172	1032
	13	10,0	2	75	150

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	16	6.8
	10.0	62.3	42.2
CA60	5.0	236.4	40.4
PESO TOTAL (kg)			
CA50	49.2		
CA60	40.4		

VOLUME DE CONCRETO (C-25) = 2.12 m³
ÁREA DE FORMA = 17.48 m²

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