

Corte A

Technical drawing showing the cross-section of a beam (Corte A) with various reinforcement bars and dimensions. The drawing includes a side elevation and a cross-section view.

Side Elevation (Left):

- Top reinforcement: $N6 \text{ } \varnothing 6.3 \text{ } C=30$
- Bottom reinforcement: $2 \text{ } \varnothing 10$
- Internal reinforcement: $2 \text{ } \varnothing 6.3$
- Vertical distance: $28 \text{ } \varnothing 6.3$
- Horizontal distance: $2 \text{ } \varnothing 10$
- Reinforcement bar: $V848$
- Horizontal distance: $4 \text{ } \varnothing 16$
- Section label: **B34**

Side Elevation (Right):

- Top reinforcement: $2 \text{ } \varnothing 10$
- Bottom reinforcement: $2 \text{ } \varnothing 10$
- Section label: **B35**

Cross-section View (Bottom):

- Top reinforcement: $2 \text{ } N1 \text{ } \varnothing 10 \text{ } C=200$
- Horizontal distance: 170
- Horizontal distance: 91
- Bottom reinforcement: $2 \text{ } N3 \text{ } \varnothing 6.3 \text{ } C=600$
- Horizontal distance: 210
- Bottom reinforcement: $2 \text{ } N5 \text{ } \varnothing 10 \text{ } C=240$
- Horizontal distance: 13
- Section label: **14**

Bottom Section (Right):

- Top reinforcement: $2 \text{ } N2 \text{ } \varnothing 16 \text{ } C=730$
- Horizontal distance: 839
- Bottom reinforcement: $2 \text{ } N4 \text{ } \varnothing 16 \text{ } C=899$
- Horizontal distance: $28 \text{ } N6 \text{ } \varnothing 6.3 \text{ } C=148$
- Section label: **28**

Technical drawing of a mechanical part, showing a side view and a section A-A.

Side View Dimensions:

- Top edge: 2 Ø 10, 2 Ø 6.3, 2 Ø 10
- Internal features: N6 C/30, 28 Ø 6.3, 4 Ø 16
- Section A-A: Indicated by a line with an arrow pointing to the right.
- Bottom edge: 2 N1 Ø 10 C=200, 170, 91, 2 N3 Ø 6.3 C=600, 196, 2 N5 Ø 10 C=226, 27, 2 N2 Ø 16 C=725, 839, 2 N4 Ø 16 C=899, R=4

Section A-A Dimensions:

- Top edge: 2 Ø 10
- Internal features: 1 Ø 16, 13, 14
- Bottom edge: 28 N6 Ø 6.3 C=148

Technical drawing of a mechanical part showing a front view and a cross-section A-A.

Front View Dimensions:

- Overall width: 280 mm
- Slot width: 6.3 mm
- Top flange thickness: 30 mm
- Bottom flange thickness: 30 mm
- Central slot depth: 839 mm
- Distance from left edge to slot start: 94 mm
- Distance from slot end to right edge: 839 mm
- Top flange hole: 2 \varnothing 10
- Bottom flange hole: 2 \varnothing 10
- Central slot hole: 1 N3 \varnothing 10 C=625
- Bottom flange hole: 2 N2 \varnothing 10 C=899

Cross-section A-A Dimensions:

- Width: 20 mm
- Height: 13 mm
- Internal hole: 28 N4 \varnothing 6.3 C=148

Technical drawing of a mechanical part, showing a front view and a cross-section A-A.

Front View Dimensions:

- Overall width: 280 ± 0.3
- Overall height: 181
- Top flange thickness: 2 ± 0.10
- Central hole diameter: 4 ± 0.16
- Bottom flange thickness: 2 ± 0.10
- Left side hole: 2 N1 Ø 10 C=211
- Right side hole: 2 N5 Ø 10 C=222
- Central hole: 2 N3 Ø 6.3 C=635
- Bottom hole: 2 N2 Ø 16 C=750
- Bottom hole: 2 N4 Ø 16 C=899
- Bottom hole: 2 N6 Ø 6.3 C=148
- Bottom hole: 2 N8 Ø 6.3 C=148
- Bottom hole: 2 N10 Ø 6.3 C=148
- Bottom hole: 2 N12 Ø 6.3 C=148
- Bottom hole: 2 N14 Ø 6.3 C=148
- Bottom hole: 2 N16 Ø 6.3 C=148
- Bottom hole: 2 N18 Ø 6.3 C=148
- Bottom hole: 2 N20 Ø 6.3 C=148
- Bottom hole: 2 N22 Ø 6.3 C=148
- Bottom hole: 2 N24 Ø 6.3 C=148
- Bottom hole: 2 N26 Ø 6.3 C=148
- Bottom hole: 2 N28 Ø 6.3 C=148
- Bottom hole: 2 N30 Ø 6.3 C=148
- Bottom hole: 2 N32 Ø 6.3 C=148
- Bottom hole: 2 N34 Ø 6.3 C=148
- Bottom hole: 2 N36 Ø 6.3 C=148
- Bottom hole: 2 N38 Ø 6.3 C=148
- Bottom hole: 2 N40 Ø 6.3 C=148
- Bottom hole: 2 N42 Ø 6.3 C=148
- Bottom hole: 2 N44 Ø 6.3 C=148
- Bottom hole: 2 N46 Ø 6.3 C=148
- Bottom hole: 2 N48 Ø 6.3 C=148
- Bottom hole: 2 N50 Ø 6.3 C=148
- Bottom hole: 2 N52 Ø 6.3 C=148
- Bottom hole: 2 N54 Ø 6.3 C=148
- Bottom hole: 2 N56 Ø 6.3 C=148
- Bottom hole: 2 N58 Ø 6.3 C=148
- Bottom hole: 2 N60 Ø 6.3 C=148
- Bottom hole: 2 N62 Ø 6.3 C=148
- Bottom hole: 2 N64 Ø 6.3 C=148
- Bottom hole: 2 N66 Ø 6.3 C=148
- Bottom hole: 2 N68 Ø 6.3 C=148
- Bottom hole: 2 N70 Ø 6.3 C=148
- Bottom hole: 2 N72 Ø 6.3 C=148
- Bottom hole: 2 N74 Ø 6.3 C=148
- Bottom hole: 2 N76 Ø 6.3 C=148
- Bottom hole: 2 N78 Ø 6.3 C=148
- Bottom hole: 2 N80 Ø 6.3 C=148
- Bottom hole: 2 N82 Ø 6.3 C=148
- Bottom hole: 2 N84 Ø 6.3 C=148
- Bottom hole: 2 N86 Ø 6.3 C=148
- Bottom hole: 2 N88 Ø 6.3 C=148
- Bottom hole: 2 N90 Ø 6.3 C=148
- Bottom hole: 2 N92 Ø 6.3 C=148
- Bottom hole: 2 N94 Ø 6.3 C=148
- Bottom hole: 2 N96 Ø 6.3 C=148
- Bottom hole: 2 N98 Ø 6.3 C=148
- Bottom hole: 2 N100 Ø 6.3 C=148

Cross-section A-A Dimensions:

- Overall width: 280 ± 0.3
- Overall height: 181
- Top flange thickness: 2 ± 0.10
- Central hole diameter: 4 ± 0.16
- Bottom flange thickness: 2 ± 0.10
- Left side hole: 2 N1 Ø 10 C=211
- Right side hole: 2 N5 Ø 10 C=222
- Central hole: 2 N3 Ø 6.3 C=635
- Bottom hole: 2 N2 Ø 16 C=750
- Bottom hole: 2 N4 Ø 16 C=899
- Bottom hole: 2 N6 Ø 6.3 C=148
- Bottom hole: 2 N8 Ø 6.3 C=148
- Bottom hole: 2 N10 Ø 6.3 C=148
- Bottom hole: 2 N12 Ø 6.3 C=148
- Bottom hole: 2 N14 Ø 6.3 C=148
- Bottom hole: 2 N16 Ø 6.3 C=148
- Bottom hole: 2 N18 Ø 6.3 C=148
- Bottom hole: 2 N20 Ø 6.3 C=148
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- Bottom hole: 2 N62 Ø 6.3 C=148
- Bottom hole: 2 N64 Ø 6.3 C=148
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- Bottom hole: 2 N68 Ø 6.3 C=148
- Bottom hole: 2 N70 Ø 6.3 C=148
- Bottom hole: 2 N72 Ø 6.3 C=148
- Bottom hole: 2 N74 Ø 6.3 C=148
- Bottom hole: 2 N76 Ø 6.3 C=148
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- Bottom hole: 2 N86 Ø 6.3 C=148
- Bottom hole: 2 N88 Ø 6.3 C=148
- Bottom hole: 2 N90 Ø 6.3 C=148
- Bottom hole: 2 N92 Ø 6.3 C=148
- Bottom hole: 2 N94 Ø 6.3 C=148
- Bottom hole: 2 N96 Ø 6.3 C=148
- Bottom hole: 2 N98 Ø 6.3 C=148
- Bottom hole: 2 N100 Ø 6.3 C=148

Plan View:

- Top reinforcement: 2 \varnothing 10, N6 C/30, 28 \varnothing 6.3, 2 \varnothing 6.3, 2 \varnothing 10.
- Bottom reinforcement: 4 \varnothing 16.
- Dimensions: 193, 91, 167, 197, 30, 27, 839, 4.
- Reinforcement labels: B35, B36, N1 \varnothing 10 C=223, N2 \varnothing 16 C=725, N3 \varnothing 6.3 C=600, N4 \varnothing 16 C=899, N5 \varnothing 10 C=197, N6 \varnothing 6.3 C=148.

Corte A (Cross-section A-A):

- Top reinforcement: 2 \varnothing 10.
- Bottom reinforcement: 4 \varnothing 16.
- Dimensions: 13, 54.

Technical drawing of a mechanical part, showing a side view and a cross-section A-A.

Side View Dimensions:

- Top flange: $N4 \text{ } C/30$, $28 \text{ } \emptyset 6.3$, $2 \text{ } \emptyset 10$
- Shaft: $3 \text{ } \emptyset 10$
- Bottom flange: $2 \text{ } N1 \text{ } \emptyset 10 \text{ } C=899$, $2 \text{ } N2 \text{ } \emptyset 10 \text{ } C=899$
- Internal features: 839 , 94 , $1 \text{ } N3 \text{ } \emptyset 10 \text{ } C=625$
- Section line: $B8$ to $B9$

Corte A (Cross-section A-A):

- Top flange: $2 \text{ } \emptyset 10$
- Shaft: $3 \text{ } \emptyset 10$
- Bottom flange: 13 , 54

Additional Dimensions:

- $28 \text{ } N4 \text{ } \emptyset 6.3 \text{ } C=148$

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RESUMO DE AÇO			
AÇO	BIT	COMPR	PESO
	mm	m	kgf
50A	6.3	416	102
50A	8	3	1
50A	10	149	92
50A	16	164	258
50A	20	26	64
Peso Total+10%		50A =	569 kgf

Technical drawing of the front elevation (Frente) of the building. The drawing shows a central entrance with a door (N1) and two side wings. Dimensions are provided for the overall width (24.1m), height (3.0m), and various window and door openings. A section line 'A-A' is indicated across the central part of the facade.

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