

Technical drawing of a mechanical part with dimensions and section lines. The drawing shows a cross-section of a part with a circular feature. Dimensions include 1x20mm, 20, 35, 9, 11, 20, 30, 15, and 5. Section lines are indicated by 'U' and 'H' with arrows pointing to the respective sections.

Technical drawing of a mechanical part with dimensions and tolerances. The drawing shows a cross-section of a part with a central hole and two side holes. The dimensions are as follows:

- Overall width: 55
- Overall height: 40
- Top flange thickness: 15
- Central hole diameter: $\varnothing 120_{-0.05}^{+0.05}$
- Side holes: Two holes, each with a diameter of $\varnothing 120_{-0.05}^{+0.05}$.
- Distances from the central hole to the side holes: 20 mm (horizontal) and 11 mm (vertical).
- Distances from the top flange to the side holes: 20 mm (horizontal) and 11 mm (vertical).
- Distances from the bottom flange to the side holes: 20 mm (horizontal) and 11 mm (vertical).
- Distances from the left and right edges to the side holes: 20 mm (horizontal) and 11 mm (vertical).
- Distances from the top flange to the central hole: 20 mm (horizontal) and 11 mm (vertical).
- Distances from the bottom flange to the central hole: 20 mm (horizontal) and 11 mm (vertical).
- Distances from the left and right edges to the central hole: 20 mm (horizontal) and 11 mm (vertical).

Technical drawing of a mechanical part with dimensions and callouts:

- Top view: 18 x 18 square, 24 x 24 square, 2x3 N17 ± 0.0 C=55, 13 x 44, 18 x 18, 2x3 N16 ± 0.0 C=122, 44 x 18, 18 x 18, 2x3 N3 ± 0.3 C=132, 45 x 15, 2x2 N4 ± 0.3 C=80, 19 x 15.
- Side view: 24 x 18, 2x3 N3 ± 0.3 C=132, 45 x 15, 2x2 N4 ± 0.3 C=80, 19 x 15.
- Callouts: ESC 1:25, N3, N4, 24, 18, 24, 13, 44, 18, 2x3 N16 ± 0.0 C=122, 44, 18, 2x3 N3 ± 0.3 C=132, 45, 15, 2x2 N4 ± 0.3 C=80, 19, 15.

Technical drawing of a mechanical part. The main drawing shows a vertical part with a horizontal section at the top. Dimensions include 30 and 40 for vertical distances, and 8 N5 and 8 N6 for horizontal distances. A detail view shows a rectangular feature with dimensions 8 N5, 8 N6, 3, 2, 8, C=VAR, and 25.

Technical drawing of a mechanical assembly showing a cross-section of a housing with internal components. The drawing includes dimensions and part numbers. Key dimensions include 1x20mm for the top flange, 1x20mm for the central shaft, and 2x6 for the bottom flange. Part numbers include N3, N7, N8, N9, and DET-3. The drawing is labeled 'DET-3' and 'ESC 1/25'.

Technical drawing of a mechanical part with dimensions and tolerances. The drawing includes a central cross-section view and four detail views (VAR) labeled 15, 10, 18, and 22. Dimensions are given in millimeters (mm) and tolerances are indicated by plus/minus signs.

Central View Dimensions:

- Top flange: 24.5 mm (width), 20 mm (height), 20 mm (radius).
- Internal features: N3, N7, N8, N9, N10.
- Bottom flange: 20 mm (width), 20 mm (height), 20 mm (radius).

Detail Views:

- VAR 15:** 15 mm (width), 15 mm (height), 15 mm (radius), 15 mm (width), 15 mm (height), 15 mm (radius).
- VAR 10:** 10 mm (width), 10 mm (height), 10 mm (radius), 10 mm (width), 10 mm (height), 10 mm (radius).
- VAR 18:** 18 mm (width), 18 mm (height), 18 mm (radius), 18 mm (width), 18 mm (height), 18 mm (radius).
- VAR 22:** 22 mm (width), 22 mm (height), 22 mm (radius), 22 mm (width), 22 mm (height), 22 mm (radius).

Other Dimensions:

- 3 N3 ±0.3 C=10 C=VAR
- 4 N8 ±0.3 C=10 C=VAR
- 2 N9 ±0.3 C=10 C=VAR
- 3 N25 ±0.6 C=150
- 3 N26 ±0.6 C=151
- 3 N27 ±0.6 C=152
- 3 N28 ±0.6 C=153
- 3 N29 ±0.6 C=154
- 3 N30 ±0.6 C=155
- 3 N31 ±0.6 C=156
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- 3 N38 ±0.6 C=163
- 3 N39 ±0.6 C=164
- 3 N40 ±0.6 C=165
- 3 N41 ±0.6 C=166
- 3 N42 ±0.6 C=167
- 3 N43 ±0.6 C=168
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- 3 N45 ±0.6 C=170
- 3 N46 ±0.6 C=171
- 3 N47 ±0.6 C=172
- 3 N48 ±0.6 C=173
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- 3 N67 ±0.6 C=192
- 3 N68 ±0.6 C=193
- 3 N69 ±0.6 C=194
- 3 N70 ±0.6 C=195
- 3 N71 ±0.6 C=196
- 3 N72 ±0.6 C=197
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- 3 N74 ±0.6 C=199
- 3 N75 ±0.6 C=200
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- 3 N78 ±0.6 C=203
- 3 N79 ±0.6 C=204
- 3 N80 ±0.6 C=205
- 3 N81 ±0.6 C=206
- 3 N82 ±0.6 C=207
- 3 N83 ±0.6 C=208
- 3 N84 ±0.6 C=209
- 3 N85 ±0.6 C=210
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- 3 N205 ±0.6 C=330
- 3 N206 ±0.6 C=331
- 3 N207 ±0.6 C=332

Technical drawing showing a mechanical assembly with dimensions and part specifications:

- Top View:** Shows a rectangular plate with a central slot. Dimensions include a total width of 70, a central slot width of 15, and a total height of 24. The plate is labeled with "2 N14 ø8.0 c/10 C=182".
- Bottom View:** Shows a rectangular plate with a central slot. Dimensions include a total width of 70, a central slot width of 15, and a total height of 24. The plate is labeled with "2 N15 ø8.0 c/10 C=80".
- Side View:** Shows a rectangular plate with a central slot. Dimensions include a total width of 70, a central slot width of 15, and a total height of 24. The plate is labeled with "3 N18 ø10.0 C=172".

The figure contains four mechanical drawings illustrating different fits:

- Top Left:** A cross-sectional view of a shaft-hub assembly. The shaft has two diameters: N10 at the top and N11 below it. The hub has corresponding internal diameters of 19 and 20. Dimension lines indicate the positions of the different sections.
- Top Right:** A diagram of a hole with diameter 4 N10 \pm 0.3 C=VAR. It shows a tolerance zone as a rectangle with height 15 and width VAR.
- Bottom Left:** A diagram of a hole with diameter 3 N19 \pm 0.0 C=200. It shows a tolerance zone as a rectangle with height 15 and width VAR. Dimensions 18, 31, and 69 are also indicated.
- Bottom Right:** A diagram of a hole with diameter 2 N11 \pm 0.3 C=VAR. It shows a tolerance zone as a rectangle with height 15 and width VAR.

Technical drawing of a mechanical part with dimensions and callouts:

- Top view: Shows a rectangular part with a central slot. Dimensions: 19 (width of the top flange), 20 (width of the bottom flange), 12 (width of the central slot), 69 (length of the central slot), 32 (width of the bottom flange). Callouts: N12, N13, 3 N27 ± 0.0 C=190.
- Side view: Shows a rectangular part with a central slot. Dimensions: 14 (width of the bottom flange), 32 (width of the bottom flange). Callouts: 4 N12 ± 0.3 $\phi 10$ C=VAR, VAR.
- Bottom view: Shows a rectangular part with a central slot. Dimensions: 15 (width of the top flange), 18 (width of the top flange), 31 (width of the bottom flange), 32 (width of the bottom flange). Callouts: 3 N28 ± 0.0 .

395-L1						
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)	
CA50	1	6,3	89	162	14418	
	2	6,3	178	43	7624	
	3	6,3	89	102	9156	
	4	6,3	4	80	320	
	5	6,3	8	VAR	VAR	
	6	6,3	4	VAR	VAR	
	7	6,3	2	VAR	VAR	
	8	6,3	4	VAR	VAR	
	9	6,3	2	VAR	VAR	
	10	6,3	4	VAR	VAR	
	11	10	2	VAR	VAR	
	12	6,3	4	VAR	VAR	
	13	6,3	2	VAR	VAR	
	14	10	2	VAR	364	
	15	8	2	VAR	160	
	16	10	6	VAR	732	
	17	10	9	55	495	
	18	10	3	172	516	
	19	10	3	200	600	
	20	10	3	172	516	
21	16,0	3	245	735		
22	16,0	3	298	894		
23	16,0	3	151	453		
24	16,0	2	162	324		
25	16,0	3	166	498		
26	16,0	3	65	195		
27	16,0	3	150	450		
28	20,0	3	129	387		
29	20,0	8	500	1600		
30	20,0	8	190	570		

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	282.5	76
	8.0	5.2	2.3
	10.0	25.3	17.1
	16.0	30.7	53.3
	20.0	111.2	301.7
PESO TOTAL (kg)			
CA50	450.4		

Volume de concreto (C-40) = 2.26 m³

Relação das alças de içamento				
Qtde.	Aço	ø (mm)	C. Anc. (cm)	C. Unit. (cm)
2	ASTM A36	16	52	148

AÇO	DIAM (mm)	QNTD (un)	C.TOTAL (m)	PESO + 10% (kg)
CA50	20.0	292	128.5	348.56
PESO TOTAL (kg) CA50 348.56				

ESC 1:25

DETALHAMENTO DO PILAR P35