Casco redondo planificado - Alberto Ruiz

Casco: bojo redondo, cortado em 10 tiras
LOA 7.500 m . boca 2.367 m . pontal 1.230 m . 8 balizas
Deslocamento a 513 mm: 3910 kg (Redondo) -> 3885 kg (10 tiras) -0.65 %
Desenhos: 10 chapas e 7 gabaritos de baliza
Todo desenho vem sobre malha quadrada, com o lado do quadrado escrito na propria folha.

Chapas

Chapa	Retangulo m	Vao max mm	Area 3D m2	Area plana m2	Deformacao %
Tira 1	7.923 x 0.168	158	1.000	1.000	0.026
Tira 2	7.907 x 0.212	159	0.997	0.997	0.047
Tira 3	7.898 x 0.210	160	0.996	0.996	0.227
Tira 4	7.893 x 0.231	161	0.997	0.997	0.306
Tira 5	7.886 x 0.243	161	1.001	1.001	0.053
Tira 6	7.883 x 0.224	161	1.005	1.004	0.037
Tira 7	7.876 x 0.176	160	1.006	1.006	0.035
Tira 8	7.860 x 0.243	159	1.007	1.007	0.029
Tira 9	7.828 x 0.352	159	1.006	1.006	0.007
Tira 10	7.791 x 0.451	190	0.988	0.988	0.009

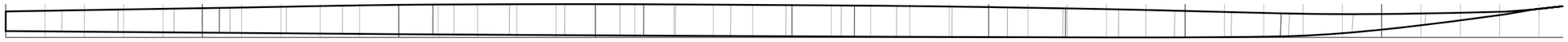
Gabaritos das balizas

Baliza	x da popa mm	Boca mm	Altura mm
Baliza 1	0	1677	912
Baliza 2	1071	1990	821
Baliza 3	2143	2226	736
Baliza 4	3214	2367	736
Baliza 5	4286	2357	777
Baliza 6	5357	1976	858
Baliza 7	6429	1196	1022

Tira 1 - quilha - d1

1:25 quadrado 200 mm

chapa 7.923 x 0.168 m . vao max 158 mm . area 1.000 m2

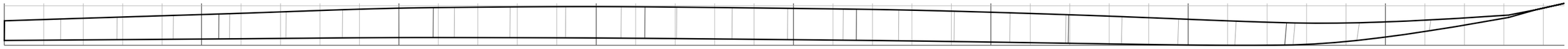


100 mm no papel

Tira 2 - d1 - d2

1:20 quadrado 200 mm

chapa 7.907 x 0.212 m . vao max 159 mm . area 0.997 m2

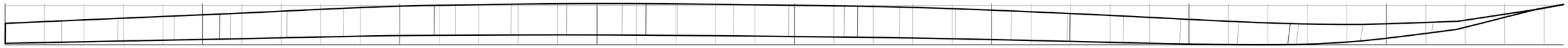


100 mm no papel

Tira 3 - d2 - d3

1:20 quadrado 200 mm

chapa 7.898 x 0.210 m . vao max 160 mm . area 0.996 m2

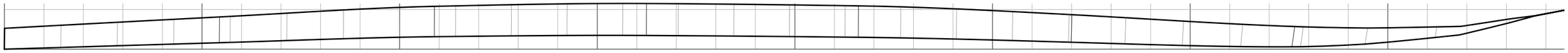


100 mm no papel

Tira 4 - d3 - d4

1:20 quadrado 200 mm

chapa 7.893 x 0.231 m . vao max 161 mm . area 0.997 m2

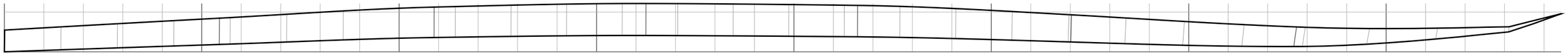


100 mm no papel

Tira 5 - d4 - d5

1:20 quadrado 200 mm

chapa 7.886 x 0.243 m . vao max 161 mm . area 1.001 m2

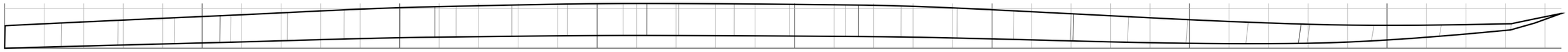


100 mm no papel

Tira 6 - d5 - d6

1:20 quadrado 200 mm

chapa 7.883 x 0.224 m . vao max 161 mm . area 1.004 m2



100 mm no papel

Tira 7 - d6 - d7

1:20 quadrado 200 mm

chapa 7.876 x 0.176 m . vao max 160 mm . area 1.006 m2

100 mm no papel

Tira 8 - d7 - d8

1:20 quadrado 200 mm

chapa 7.860 x 0.243 m . vao max 159 mm . area 1.007 m2

100 mm no papel

Tira 9 - d8 - d9

1:20 quadrado 200 mm

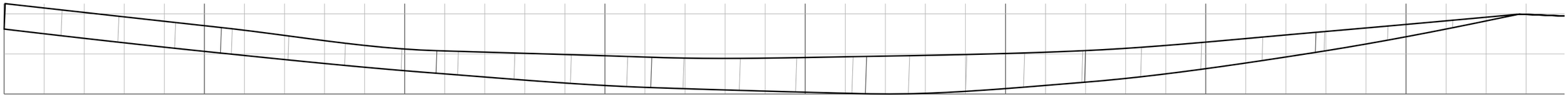
chapa 7.828 x 0.352 m . vao max 159 mm . area 1.006 m2

100 mm no papel

Tira 10 - d9 - borda

1:20 quadrado 200 mm

chapa 7.791 x 0.451 m . vao max 190 mm . area 0.988 m2

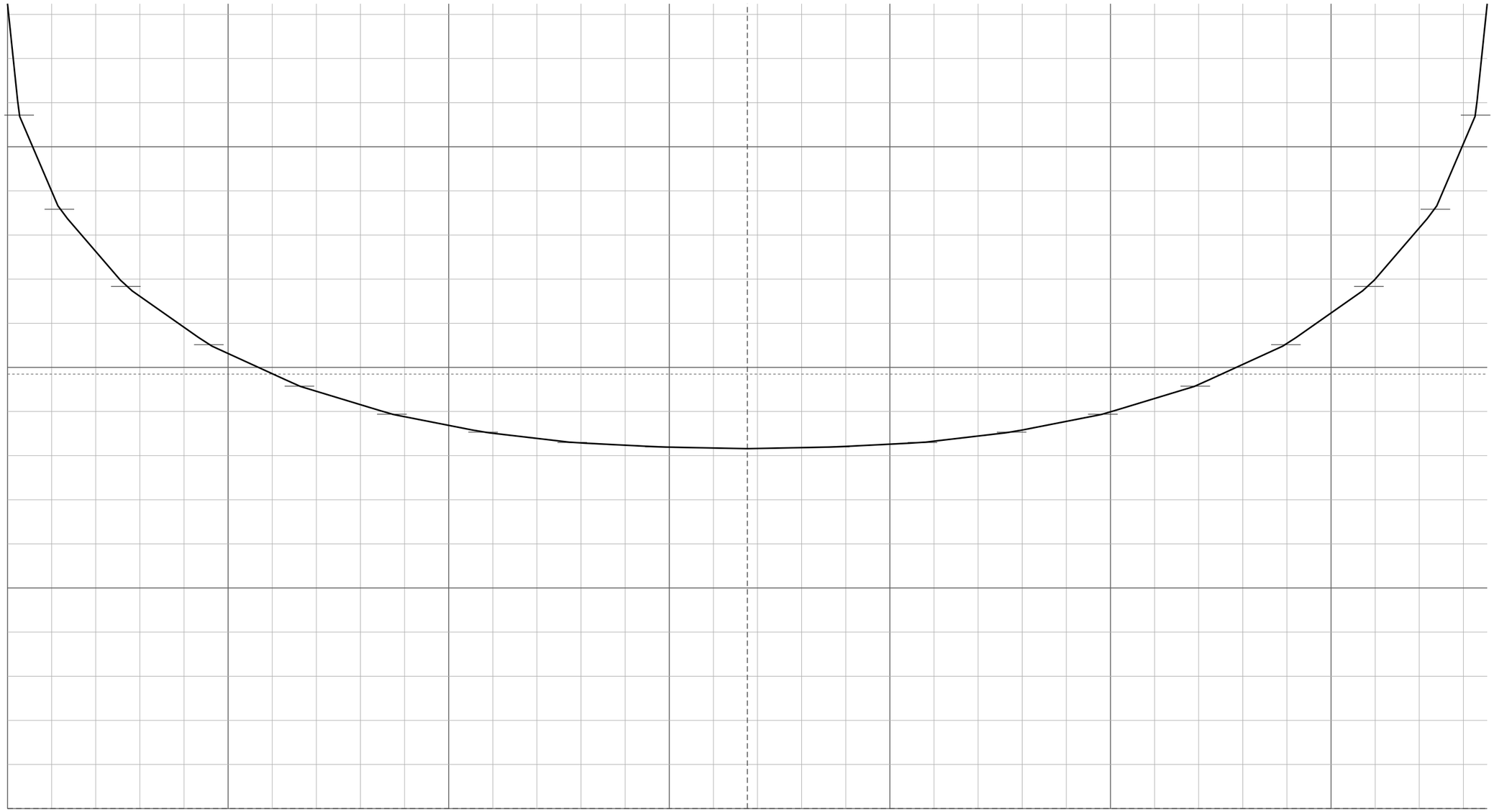


100 mm no papel

Baliza 1 - gabarito do casco em chapas

1:5 quadrado 50 mm

boca 1677 mm . altura 912 mm

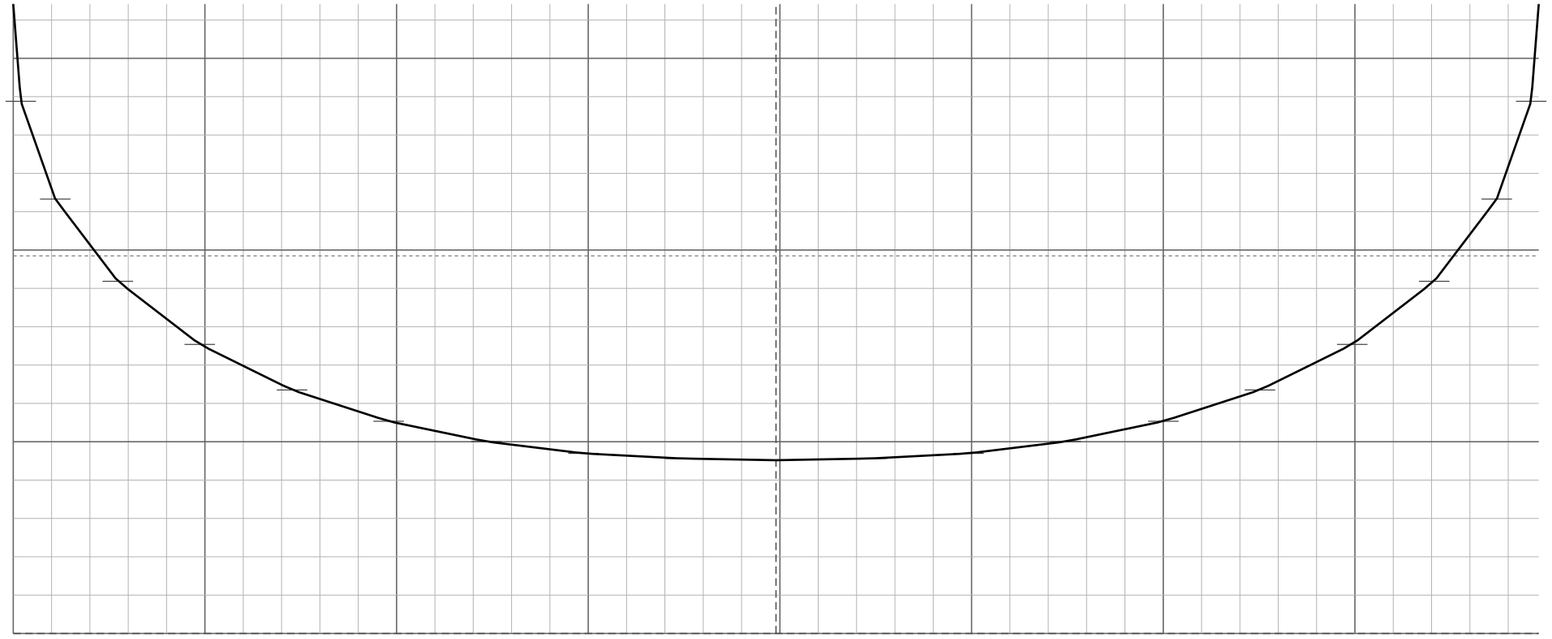


100 mm no papel

Baliza 2 - gabarito do casco em chapas

1:8 quadrado 50 mm

boca 1990 mm . altura 821 mm

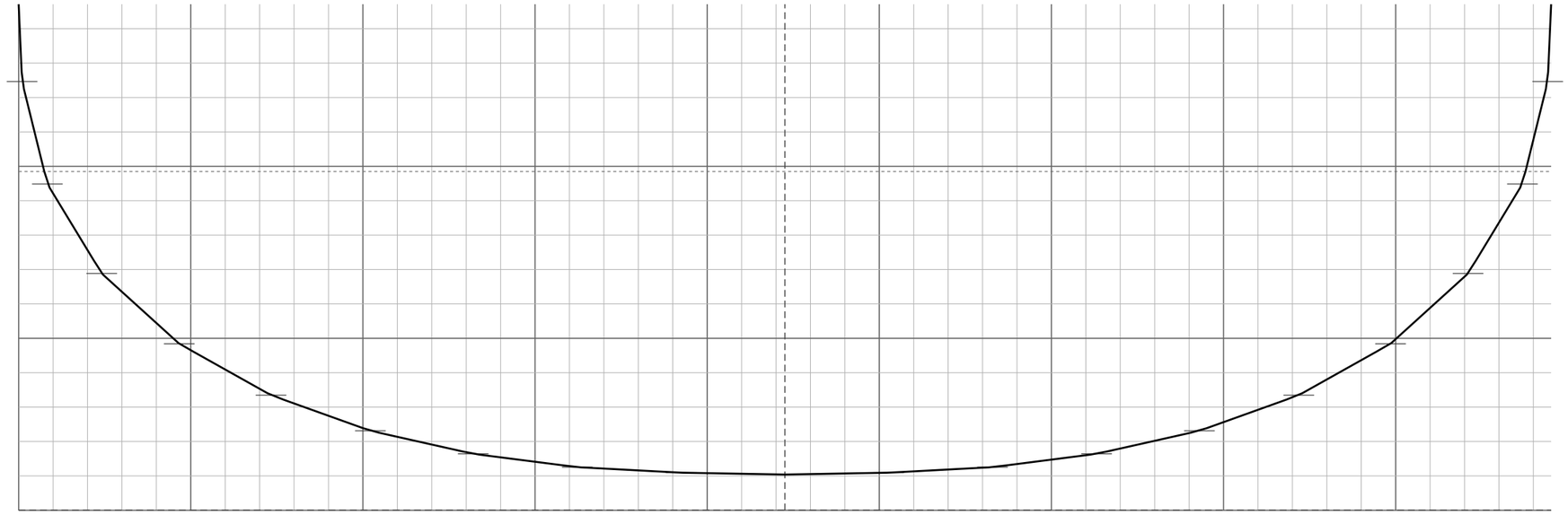


100 mm no papel

Baliza 3 - gabarito do casco em chapas

1:8 quadrado 50 mm

boca 2226 mm . altura 736 mm

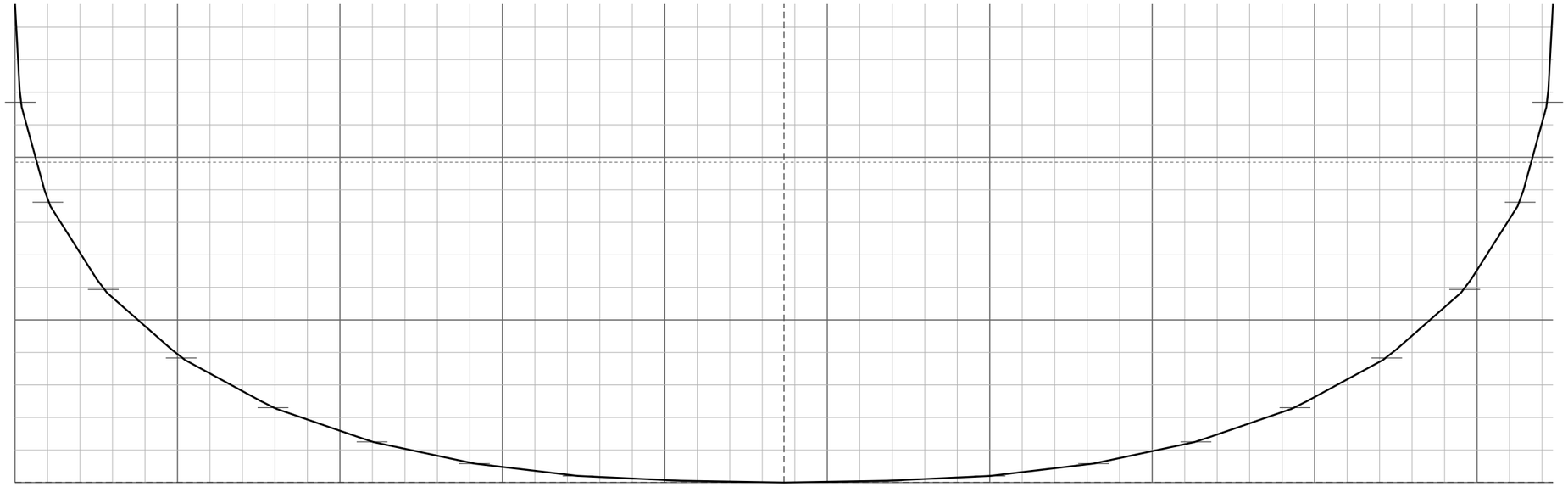


100 mm no papel

Baliza 4 - gabarito do casco em chapas

1:8 quadrado 50 mm

boca 2367 mm . altura 736 mm

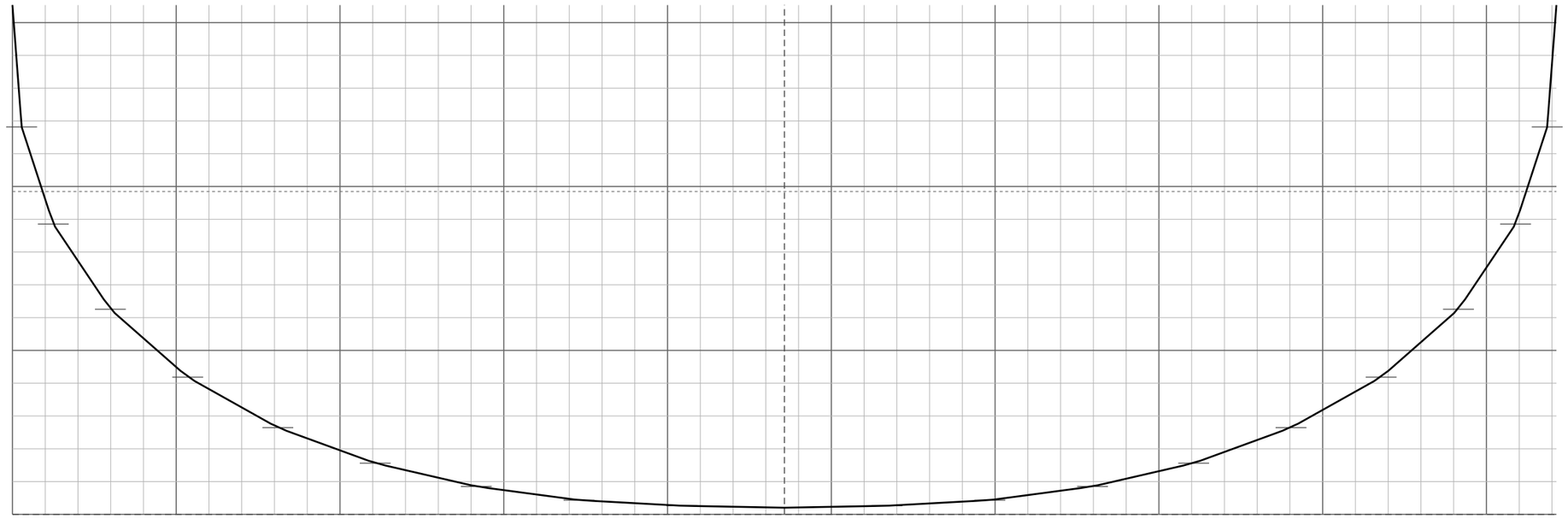


100 mm no papel

Baliza 5 - gabarito do casco em chapas

1:8 quadrado 50 mm

boca 2357 mm . altura 777 mm

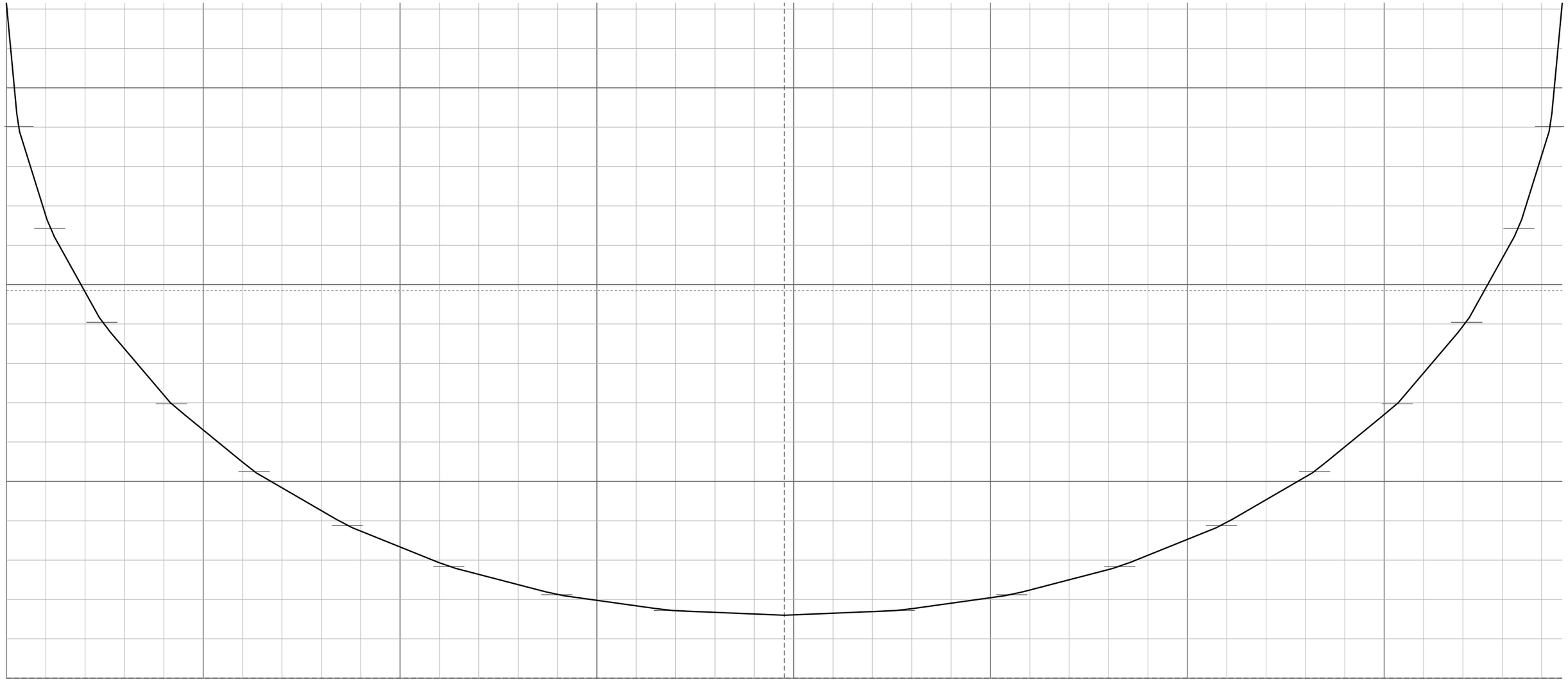


100 mm no papel

Baliza 6 - gabarito do casco em chapas

1:5 quadrado 50 mm

boca 1976 mm . altura 858 mm

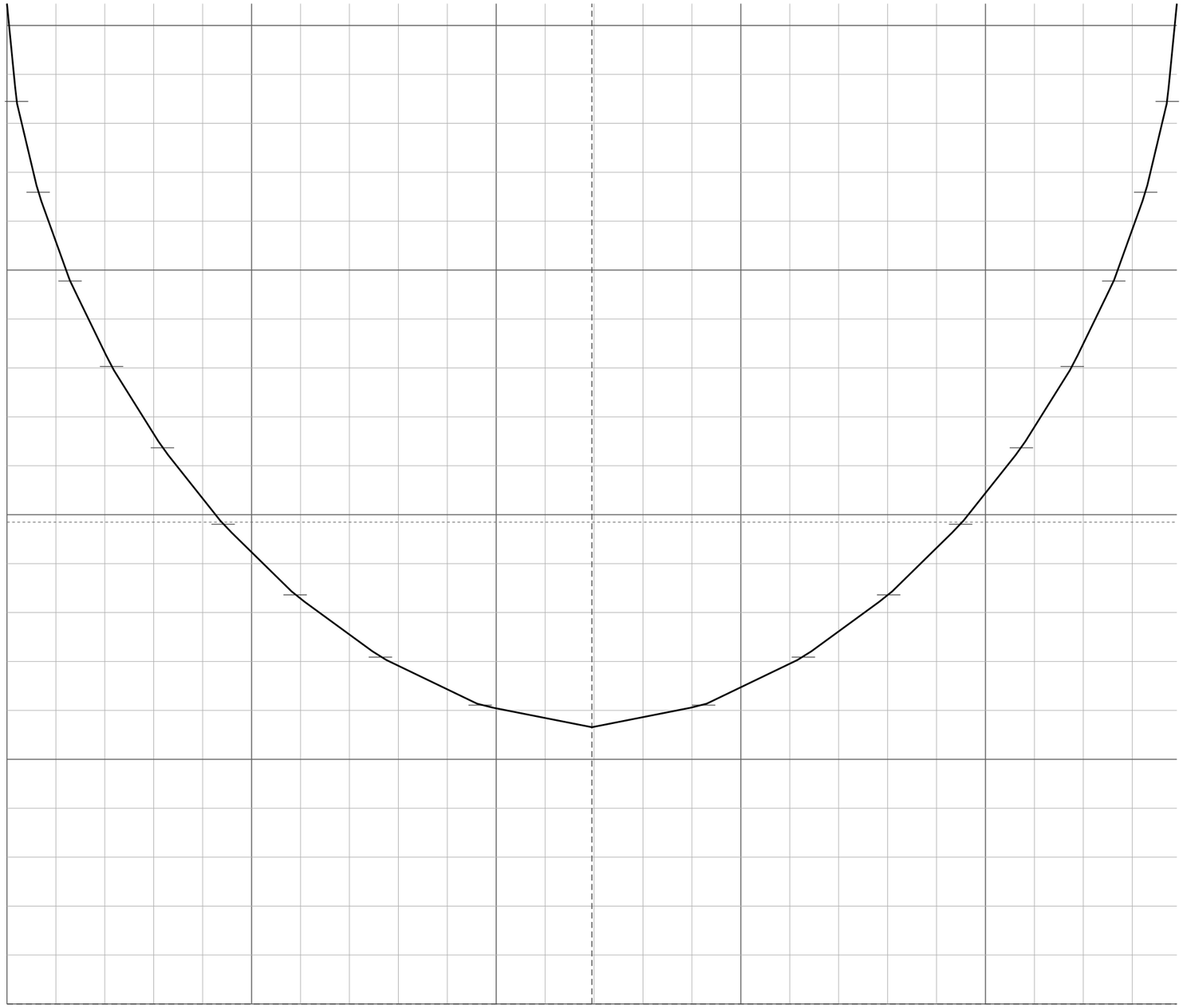


100 mm no papel

Baliza 7 - gabarito do casco em chapas

1:5 quadrado 50 mm

boca 1196 mm . altura 1022 mm



100 mm no papel