Rorareal: $A = \frac{d \cdot L}{100}\left[1 + 25\left(\frac{B}{L}\right)^2\right] = \frac{3 \cdot 33}{100}\left[1 + 25\left(\frac{9}{33}\right)^2\right] = 2{,}9\ m^2$

Valgt $A = 3{,}02\ m^2$ balanse: $0{,}66\ m^2$

Balanse i % av A: $\frac{0{,}66 \cdot 100}{3{,}02} = 22{,}85\ \%$

Rorkraft med 12 knop prøvefart:

$N = k \cdot A = 1{,}99 \cdot 3{,}02 = 6{,}0$ tonn

Momentarm: $m = \frac{1350}{20} + \frac{675 \cdot 300}{2} = 255$ mm

Rorstammediameter ved rorpinne: $d_y = 104 + \frac{15}{100} \cdot 55 = 112{,}25$ mm

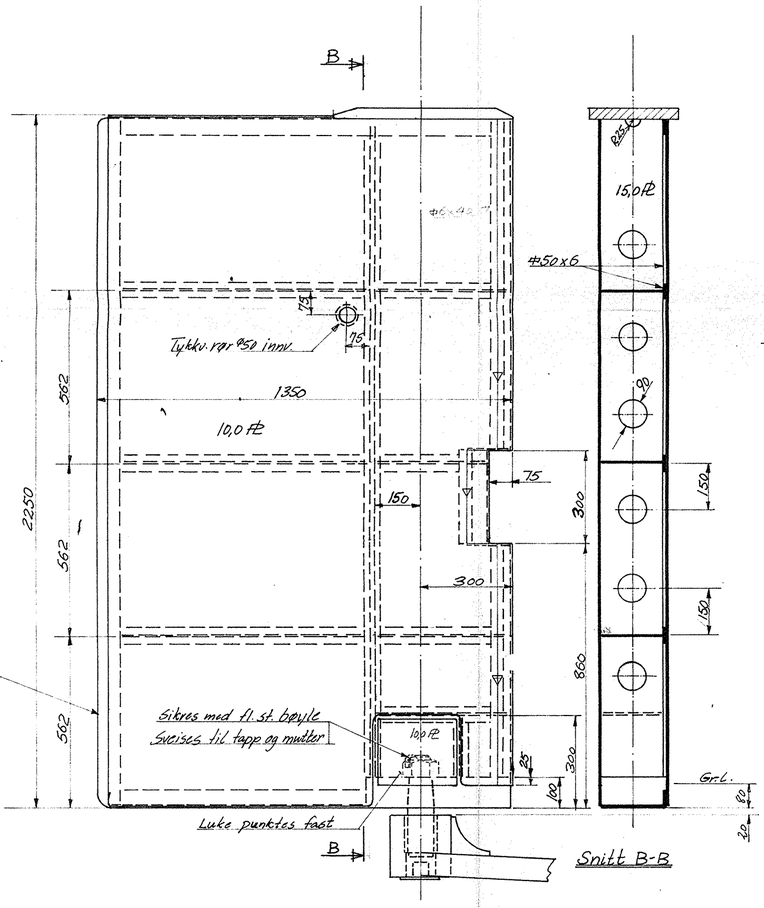
$a/b = 1200/2800 = 0{,}43$

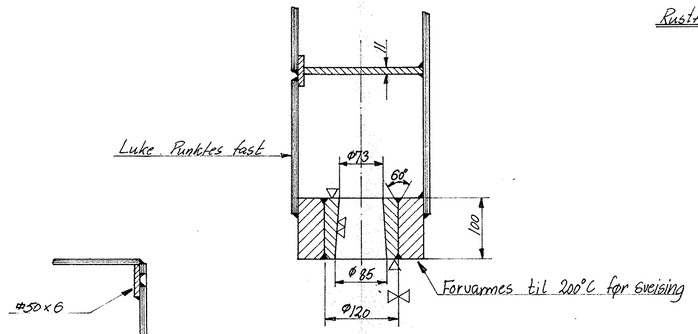
$b/m = 2800/255 = 11$

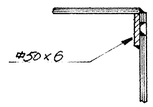
$K = 1{,}26$

Rorstammediameter ved hekklager: $d_y = 113 \cdot 1{,}26 = 143$ mm

Velger rorstamme: ø147. Dette gir omme ø160 mm



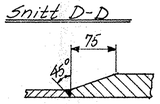




Snitt C-C

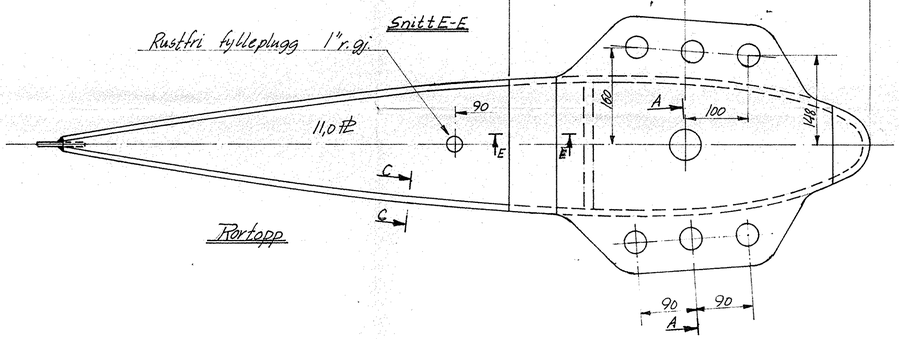
Tilsv. i bunnen.

Snitt D-D

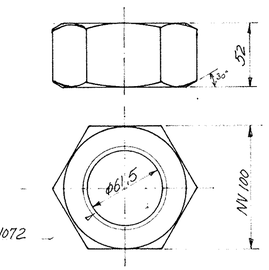


Snitt E-F

Rustfri fyllepluggg 1" r.gj.

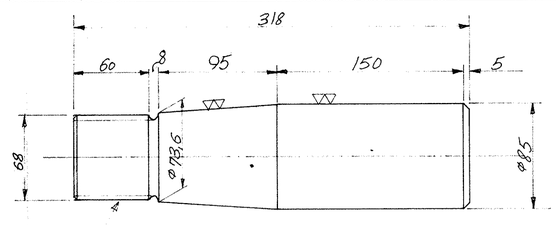


Rortopp



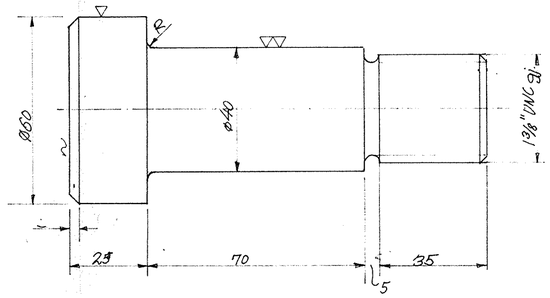
Rustfri stålmutter for hæltapp

M = 1:2,5



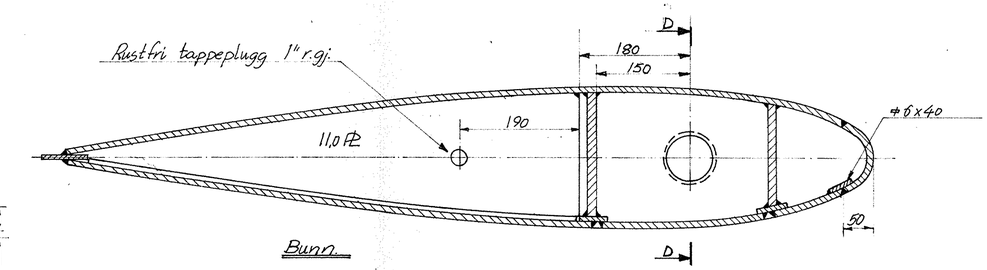
Hæltapp Matr. rustfritt st.

M = 1:2,5

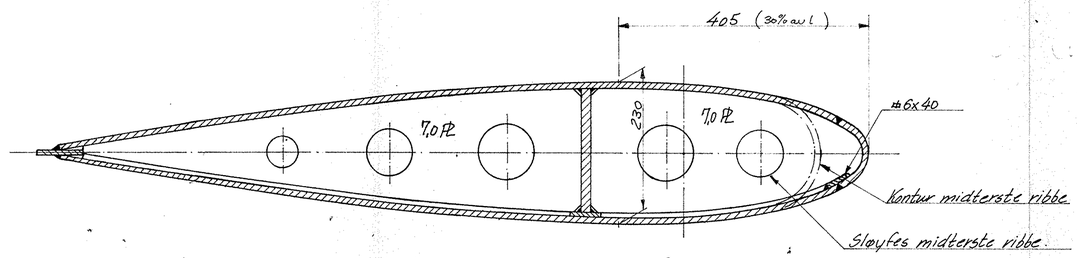


Koplingsbolt. (6 stk.)

Muttrene sikres.

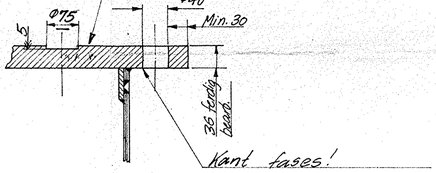


Bunn



Horisontal ribbe

Forvarmes til 200°C før sveising til sideplatene



Snitt A-A

M = 1:5

MERKNADER:

Etter at sliss-sveisene er gjort, fylles åpningene med stål plast.

Rorareal: $3{,}02\ m^2$ (Derav balanse: $0{,}66 m^2$)

Overalt på lukkesiden sliss-sveis 20x50, 125 t-f.

Brennemaler av ribber og flenser se egne tegninger. 4458-A0,

Rorstamme, se tegn. nr. 6929-A3

Koplingsflens må være i W-kvalitet.

Roret trykkprøves med 0,5 kp/cm²

Konserveres med spillolje.

Denne tegning er godkjent av D.N.V. 19/3-70. Korr. påført. ØEa

" " " " " av Sjøfartsdirektoratet 21/3-70. Korr. påført 24/4-70 ØEa.

Dato	Konstr./Tegnet	Tracet ØEa	Målestokk 1:10 1:5	A/S Tromsø Skibsverft & Mek. Verksted
Kontroll	Stand.kontroll	Godkjent		
B.nr. 36 ROR.			Erstatning for:	Erstattet av: 4518-A1
Henvisning:		Beregning:		

Thorolf Gregersen A.S. 1500. M.S. 2-67.