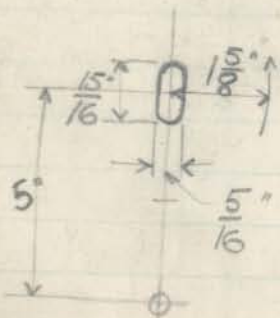


4th bar. With 1/4" dia brakes

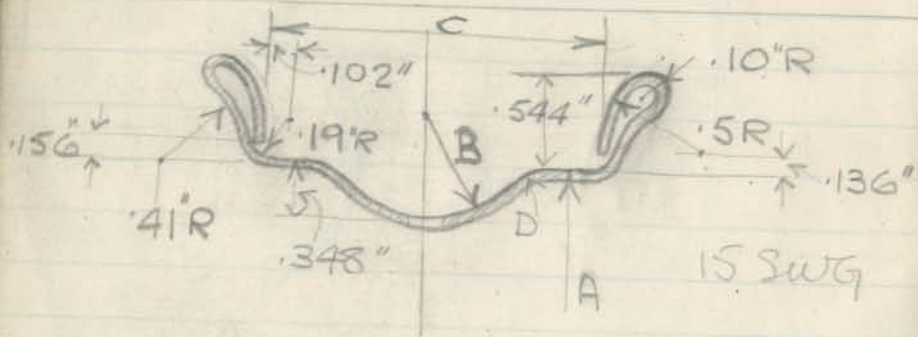
Area of friction surface

$$= \frac{4 \times 3.14 \times 1}{2} = 11 \square$$

$$= 44 \square \text{ per 4 wheels} \\ (\text{old } 6 \text{ dia} = 36 \square)$$



Leverages etc
(inside drum)

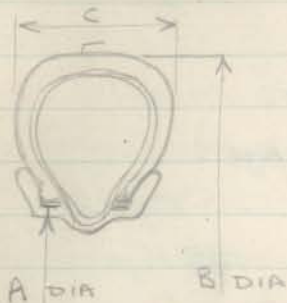


A	19.062	21.062	} 2 1/2"
B	.754	.642	
C	2.156	1.85	} 3"
D	.288	.24	

Rims

Wt's - 3x19 = 5 lbs. 9oz. 3x21 = 6 lbs. 2oz.
 2 1/2 x 19 = 5 lbs 5 1/2 oz 2 1/2 x 21 = 5 lbs 13 oz.

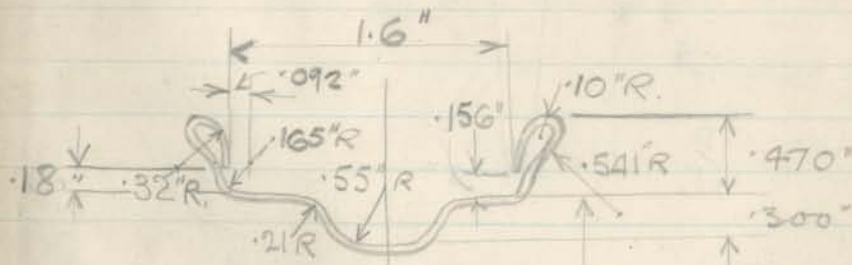
M/Cyle D.O. Ballon's High Pressure Tyres & Rims etc



3 different rim profiles
6 different Tyres

A is approx
the nominal dia

A	B	C	name
19.062	27.53	4.08	} 4" for 3x19. LP 3.5" for 3x19
19.062	26.336	3.66	
19.062	25.36	3"	} 3" for 2 1/2 x 19 3 1/4" for 2 1/2 x 19
19.062	26.4	3.35	
21.062	27	27.5	} H 2 3/4" for 2 1/2 x 21 2 1/4" for 2 1/4 x 21
21.062	26.375	2.34	



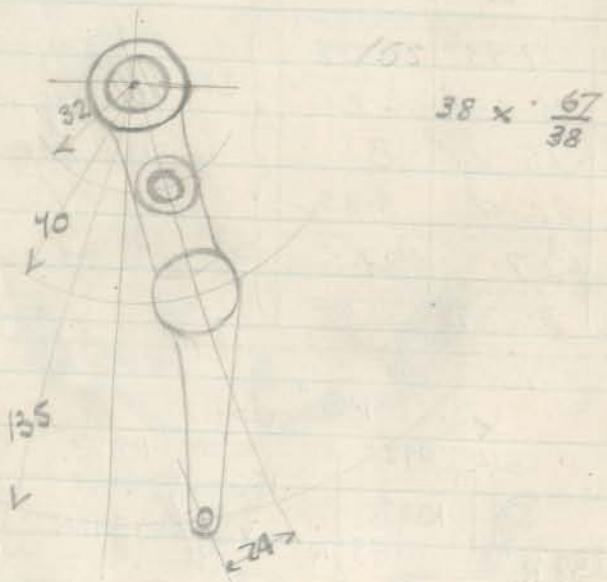
2 1/4 Rim 15 SWG
Weight 5 lbs 1/2 oz 21.062" DIA.

For high pressure Tyres only.

Servo Motor C Type (110 mm)

Alésage 110 Course 120 (235 actual)

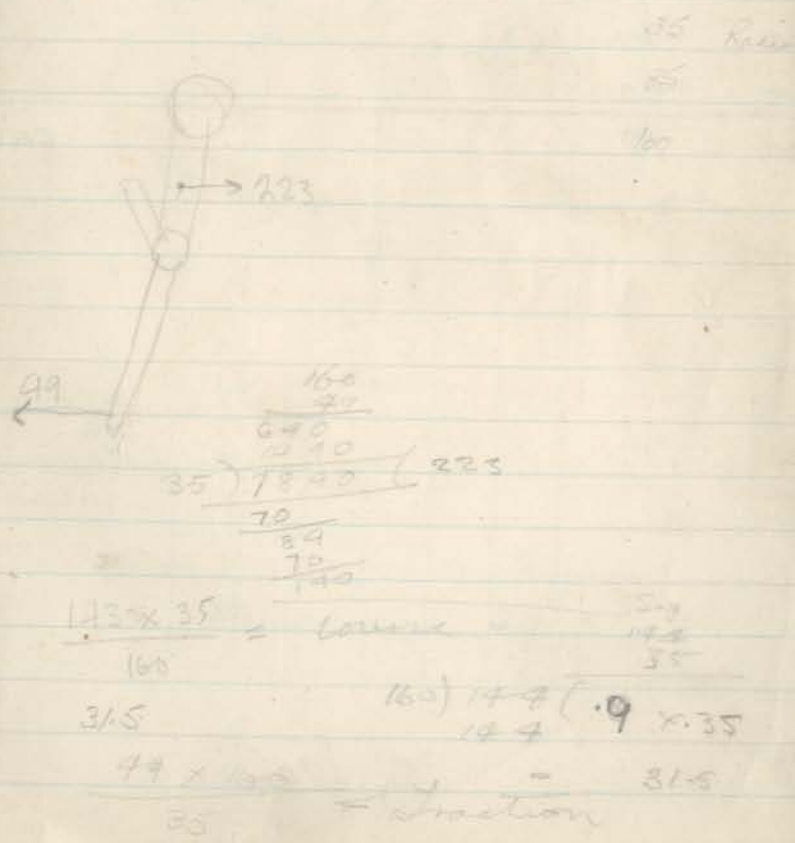
- Dépression = 0.4 Kgs
- Effort sur piston = 38 Kgs
- Réaction = 65 Kgs
- Traction sur timonerie = 155 Kgs (160?)
- Course timonerie = 30 mm



Servo Motor F Type (125 mm)

Alésage 125 Course 143.5 actual

- Dépression = 0.4 Kgs
- Effort sur piston = 49 Kgs
- Réaction ? =
- Traction sur timonerie = 223 Kgs
- Course timonerie = 31.5



$49 \times \frac{160}{35} = 223$
 $143 \times 35 =$ Course = 35
 31.5
 $49 \times \frac{160}{35} =$ Traction = 31.5

9 H GN 90° Twin

85 x 98 = capacity 1086

3 speeds & reverse

Ratio's etc

RPM. 4 5.75 10.5

500 10

1000 20

1500 30

2000 40

2500 50

3000 60

3500 70

OHV m

Max torque developed.

$$= 28.4$$

$$= 10.8 \text{ HP @ } 2000 \text{ RPM}$$

$$\text{MEP} = \frac{10.8 \times 792,000}{2,000 \times 50.79}$$

$$= 83 \text{ lbs per } \square$$

$$\text{MEP} = \frac{\text{BHP} \times 15380}{\text{RPM}}$$

RPM

$$= 83 \text{ lbs per } \square$$

Moteur F. No. 750 T.

52 x 88 (cylindrée 748 cm³)

14 HP

13

12

11

10

9

8

7

6

5

4

3

2

1

0

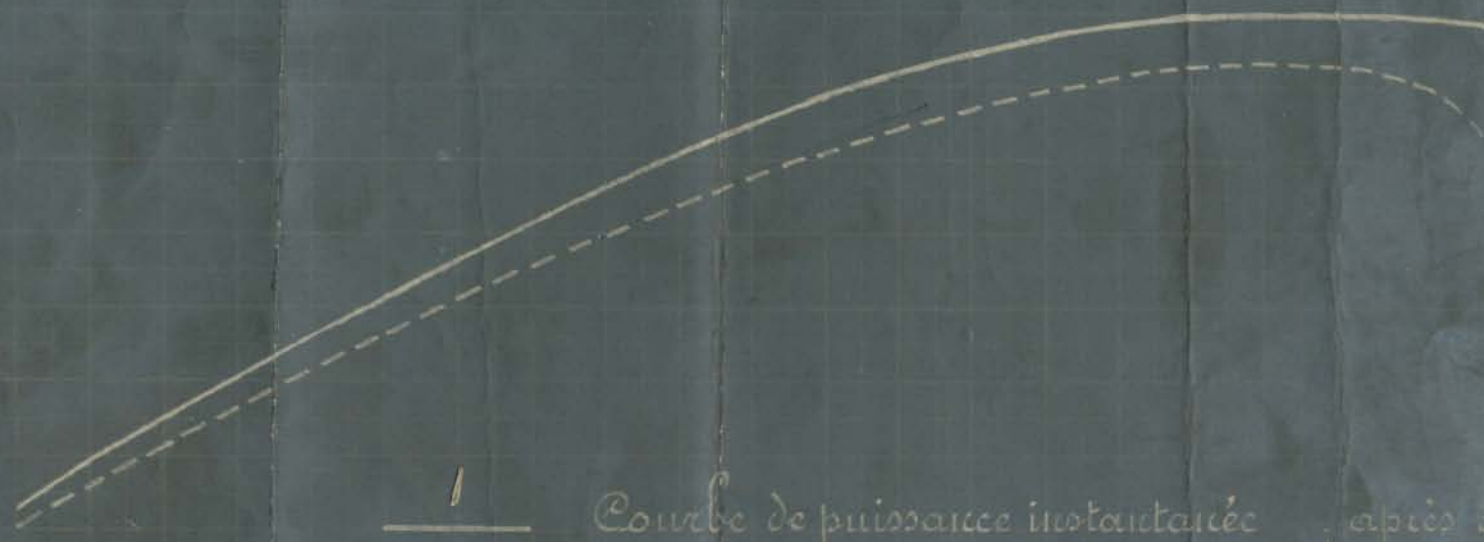
1000

1500

2000

2500

3000



— Courbe de puissance instantanée } après rodage
- - - Courbe de puissance permanente } en service