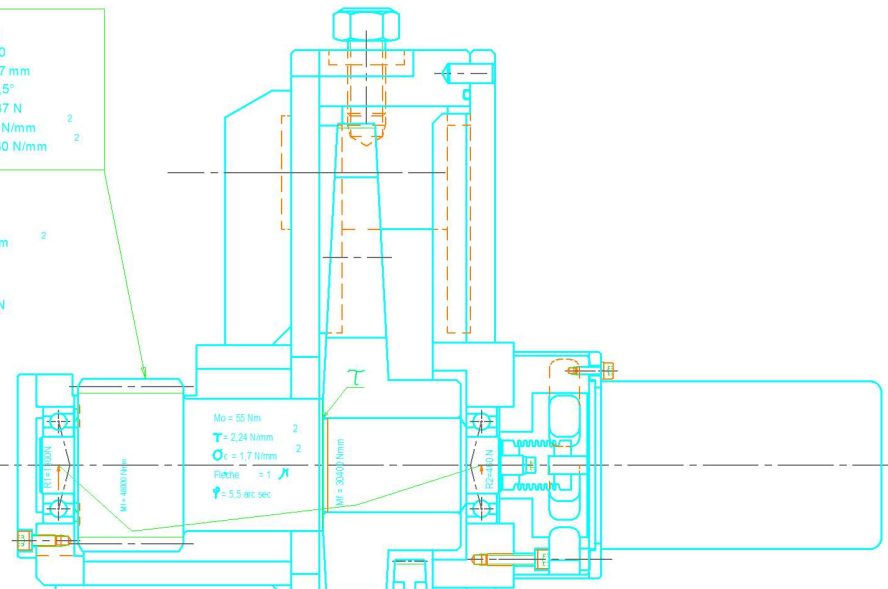


Z1 = 30
 Z2 = 540
 m = 2,77 mm
 $\alpha = 17,5^\circ$
 Ft = 1337 N
 $\sigma_f = 13 \text{ N/mm}^2$
 $\sigma_h = 330 \text{ N/mm}^2$

ARBRE 1 J = 0,22 Kgm
 7206 CD 15° Co = 14000 N
 R1 = Po = 2210 N

FROTTEMENT ROULEMENTS
 M1 = 46,5 Nmm R1
 M2 = 25,7 Nmm R2

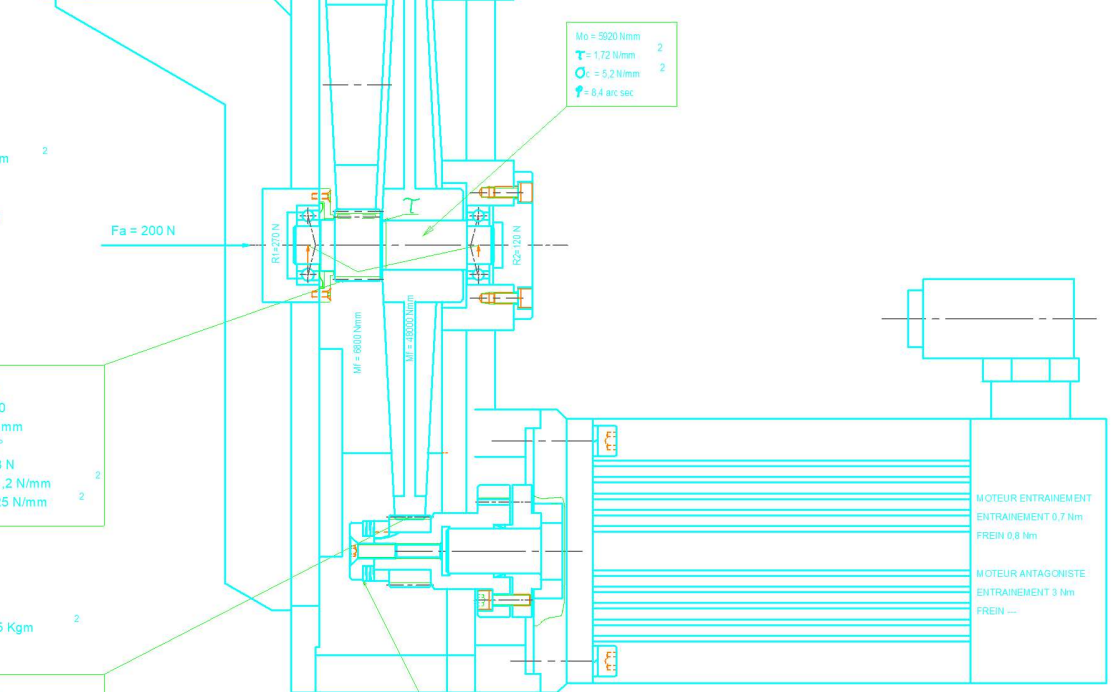


Mo = 55 Nm
 $T = 2,24 \text{ N/mm}$
 $\sigma_c = 1,7 \text{ N/mm}$
 $\psi = 5,5 \text{ arc sec}$

Mo = 5920 Nmm
 $T = 1,72 \text{ N/mm}$
 $\sigma_c = 5,2 \text{ N/mm}$
 $\psi = 8,4 \text{ arc sec}$

ARBRE 2 J = 0,05 Kgm
 7004 CD 15° Co = 3800 N
 R1 = Po = 500 N

FROTTEMENT ROULEMENTS
 R1 = R2 M1 = 6,5 Nmm



Z1 = 24
 Z2 = 240
 m = 1,5 mm
 $\alpha = 20^\circ$
 Ft = 308 N
 $\sigma_f = 14,2 \text{ N/mm}^2$
 $\sigma_h = 325 \text{ N/mm}^2$

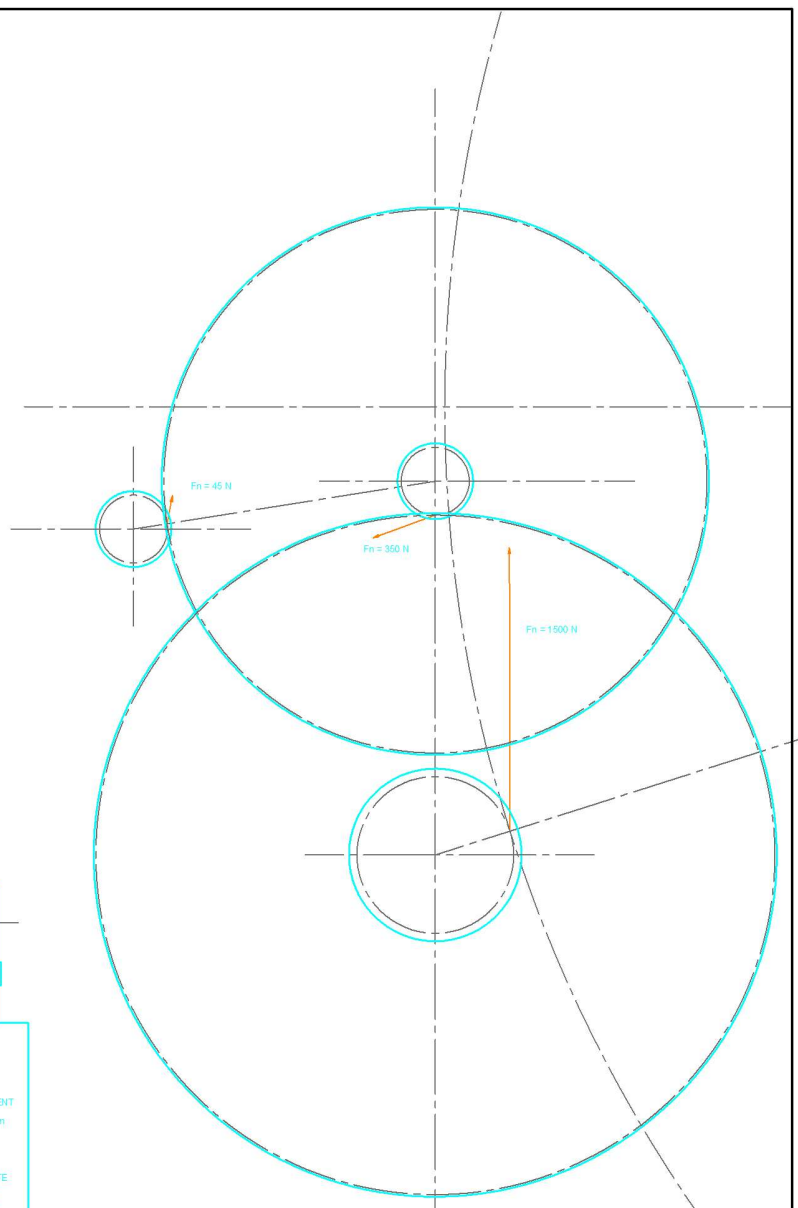
ARBRE 3 J = 0,00045 Kgm
 SANS MOTEUR

Z1 = 24
 Z2 = 192
 m = 1,5 mm
 $\alpha = 20^\circ$
 Ft = 38,5 N
 $\sigma_f = 2,2 \text{ N/mm}^2$
 $\sigma_h = 130 \text{ N/mm}^2$

LIMITEUR DE COUPLE
 ENTRAINEMENT 1,8 Nm
 ANTAGONISTE 4 Nm

COUPLE DE CALCUL 1000 Nm SUR LA COURONNE

MOTEUR ENTRAINEMENT
 ENTRAINEMENT 0,7 Nm
 FREIN 0,8 Nm
 MOTEUR ANTAGONISTE
 ENTRAINEMENT 3 Nm
 FREIN ...



SPECIFICATION	REP	MATIERE	POIDS
FORCES			
OBSERVATIONS :			
MODIFICATIONS:			
ENTRAINEMENT TELESCOPE T4		ECH: 1:2	DESSEINE R DUBOSSON
		DATE	JUIN 1993
		ETUDE	
		DATE	
OBSERVATOIRE DE GENEVE CH-1290 SAUVERNY		T4-EA-D02-B	
TEL +41 (0)22 379.22.00 / FAX +41 (0)22 379.22.05			