HN5 Q1) Emar = IT Gyd = IE x 50000000 = 98.2 KNm Timin = 8 = 49.1 ENm Fo = TXAs T = Foody T = Txlxwxdy 1 = 2T 2x 49.1x/06 Txwxd = 42x/6x50 li 2921, 43 mm Fc = Och To EFC X d/2 T = To x extxd 12 27 = 2× 99.1×106 = 2805.14mm

Getd 70×10×50 The shen criterion governs the required by the 1= 2721.43 mm (2) 7= # Tyd2 = TT × 2N × 106 (0.063+)? T = 9.969 KN T= T.K = 9.964 × 10 × 0.748 = 7.427 × 150 \$ TS 0.4x100 27 T 27 9.964 X103 3 2 24.9mm

-				
	~	ros	- 10	
		100	-	
-	-			

Tolay = Pm

$$= \left(\frac{0.0573}{0.1059} \right)^{0.5597} = 0.559$$

$$\omega = \left(n, \omega_1^3 + n_2 \omega_2^3 + n_3 \omega_3^3 + n_4 \omega_3^3\right)^{1/3}$$
 $n_1 + n_2 + n_3 + n_4$

0.1n + 0.2n + 0.3n + 0.4n

= 4.574 KN

	Date :
	day = 60 × N × m = 60 × 420 × 24000 = 1036 € 10 6 rov
00)	A LOS DI LA LA FERRA NORMA A LI CONTRA LA CONT
	material to be an 20.85
	material to be (/Ray) / 1/2 / (n(/0.22)) 1/2 0780 57
	a 70 (To (1/20)) (To (1/2))
	(0. NADE) 0.9×0.5× 50,1026
	material to be an 20.85 material to be an 20.85 a no (/Ran)) // (- (n(/0.22)) / 1/2 a no (/Ran)) // (- (n(/0.22)) / 20.500.51 = (0.0000) 0.8547 - (0.0000) 0.8547 - (0.0000) 0.8547
	40 = day 1036, 8×106 - 10105 ×106 904
	0.1026 - 1036. XX 106 = 10105 x106 x0V
	C=W (dq0)1/2 . 1 × (10105 ×106)3
	100
	C= 21.62 KR
(52)	WE CAN. WE & Y. WASES
	raded toad factor = 1 , arial load factor = 1.5
	W = (WR + 15 WA) Ks
	for different opening cycles.
	W1 = (2000 + 1.5 × 1200) # 3 = 11400 N
	102 = 6120 + 1.2x 1000) × 1.2 = 4200 N
	W2 = (1000 + 1.5 × 1500) × 2 = 6 500 N
	Wy = (1200 + 15 x 2000) x 1 = 4200 N
	1 = 60 N x dn = 0,9 × 106 N rev.
	4 = 1 × 0.9 × 10 6 × N, = 36×106 new L= C++L++L3+L
	The = 10 x 0.9 × 100 × 200 = 02×100 aren
	10 10 X SIVE USALO ONLY
	4 = 1 × 0.9×106 × 600 = 108 ×106 rev.
	4: 1 x0.9 x 106 x 800 - 422 x 106 mm
	W. (6, 10) + L2 102 + 13W3 + 44 W3) 3 80 (1.191 ×100,02) 13
	6 + 4 + 4 + 4 + 4 . WE 5 700 N . WE 5 700 N
	C= 100 = 49.143 KON