4. Continues: (1) Table LO.1: Zin-13 LINC grade 5 boit Steel
At = 0.1419 M2 > F. = Sp At = 12,060 lbs
Sp = 85 (68)
But W/ Variation / 10%. Decrease
TFi = 7600 lbs (Conservative estante)
(2) Reforme (5) 19 78
Sani polishes Steel Sand/grit Blasks Stan
F 0.3 0.5
So assume f = 0.4
Fora required TO SIP: F= FL. F = (7600168)(0.4) = 3040169
(per plane).
SO FRANKE TO Over Come Priction 2 6000 165
7
(3) Force That can be Transmitter Through The boil itself.
F= 2 Ssy A, " A is Aron OF borr at Sheer Planes.
So A= TTC = TT(.5) = 0.196 12
Using Distration Energy Theory Ssy = 0.58 Sy = (0.58) (42 ksi) = 53 ksi
yielding ar 2 Show grane:
Fy = 2 (53000 Kes:) (0.146 m2)
Fy = 21,000 165)
(4) Carc. TOTAL PRITURE LOAD W/ Su = 74 165;
Fy 3 29,000 165
5. M-Thist are = 25 Nm 0 = 1.5 Nm 0 = 2 Nm
Find menn valve is wrench torque Setting That war result in about
7 burs in coop Enismy of during assemble
IM- WICHER TORUE = 28 Using The mass Lab Code
28 gan about 7 boilt Rais
For every 1000.





