

CH 14 HWK  
14,14 NORTON

ME 340  
11/19/98

TORQUE TO ACHIEVE DESIRED PRELOAD (85%)

$$F_i = 0.85 S_p A_t = 0.85 (650 \text{ MPa}) (92.07 \text{ mm}^2) (1 \text{ E} - 6 \text{ N/mm}^2) \\ = 50.869 \text{ kN}$$

$$T = 0.2 F_i d = 0.2 (50.869 \text{ kN}) (0.012 \text{ m}) = 122 \text{ Nm}$$