Power = 7.5 kW D = .558 m > Input torque = 25.81 ft. 166 = 25.81 × 0.3048 × 4.44822 = 34.9936 m 19-m = 35 B N-m => Power = Z Xw 7500 = 35 xw > w = 214.286 $\Rightarrow \omega = 2x\pi \times \frac{N}{60} \Rightarrow N = \frac{\omega \times 60}{2\pi}$ N= 2047.315 opm => A= SUDDE STORES X Presure Angle 20° Module estimation on beam strength $m = \frac{60\times10\%}{\pi} \frac{\text{kw.cs.bs}}{2n*cv*(\frac{b}{m})*(\frac{Sut}{3})}$ $C_{5} = 1.5$ $f_{5} = 1.5$ Y = 0.308Cv = 3 = 3 (assuming v=sm/sec.)

$$m = \frac{160 \times 10^{6} \times 7.5 \times 1.5 \times 1.5}{18 \times 2048 \times 3/8 \times 1200} \times 0.303$$

$$m = 2.66 mm$$

$$\Rightarrow 0 \text{ on the basis of beam shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on the basis of linear shren}$$

$$\Rightarrow 100 \times 10^{6} \text{ on$$

$$Cv = 304 - 3$$

 $8 + 5.79 = 0.341$
 $Petb = \frac{Cs}{Cv} x P_{+} = \frac{1.5 \times 1296.4}{0.341}$
 $= \frac{5702.641}{0.341}$
 $= \frac{5702.641}{0.341}$
 $= 1088$
Here $Sb > Petb$
 $= 1.94 = bs$
 $= 1.94 = bs$
Se, Module is 3mm.