MECHANICAL BRAKE

SELF ADJUSTING HEAVY DUTY

M100 LOW MOUNT

FFATURES:

- Capable of 10,000 lbs. of clamp force.
- Fully sealed ball ramp mechanism.
- · Self adjusting mechanism minimizes maintenance for pad wear.
- Nodular cast iron housing.
- Splined actuator lever can be positioned in 30° increments.
- Choice of CW or CCW lever actuation.
- Supplied with mount bolts and sealed and lubricated slider pins.

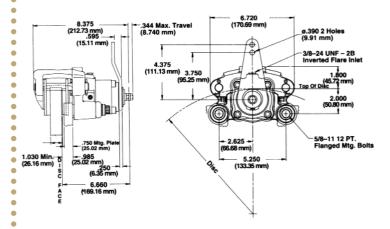
TYPICAL SPECIFICATIONS:

Series	M100
Rotor Diameter	10 to 20 in.
Rotor Thickness	. 0.75 to 1.00 in.
Maximum Lever Force @ 4.375" Hole	450 lbs.
@ 3.750" Hole	525 lbs.
Lever Stroke for 10,000 lbs. of clamp	27 deg.
Lining Type non asbestos org	ganic or sintered
Total Lining Area	14.8 sq. in.
Usable Lining Thickness Per Pad	0.470 in.
Lever position 30 de	gree increments
Weight	21.0 lbs.

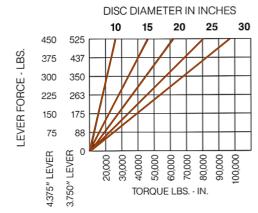
Specifications are guidelines only and subject to change. Consult HB for specific model, part number and assembly drawings.



REFERENCE DIMENSIONS:



TORQUE INFORMATION:



Formula $T = 44.4 \,\mu\text{F} \left(\frac{\text{DIA}}{2} - 1\right)$ for 4.375" Lever

Formula $T = 38.1 \,\mu\text{F} \left(\frac{\text{DIA}}{2} - 1\right)$ for 3.750" Lever

 $\begin{array}{ll} T=\mbox{developed torque in lbs.-in.} & \mbox{DIA}=\mbox{diameter of rotor in inches} \\ F=\mbox{applied lever force in lbs.} & \mu=\mbox{friction coefficient, assume 0.35} \end{array}$



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