MECHANICAL BRAKE

SELF ADJUSTING, HEAVY DUTY

M100 HIGH MOUNT

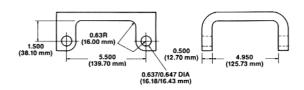
FFATURES:

- Capable of 10,000 lbs. of clamp force.
- Sealed actuation mechanism.
- Self adjusting mechanism minimizes maintenance for pad wear.
- Quick change brake pads, retained by mount pins.
- Nodular cast iron housing.
- Splined actuator lever can be positioned in 30° increments.
- Choice of CW or CCW lever actuation.

TYPICAL SPECIFICATIONS:

| Series | M100 |
|------------------------------|---------------------------------|
| Rotor Diameter | 10 in. & up |
| Rotor Thickness | 0.500, 0.625, & 0.750 in. |
| Maximum Lever Force @ 4.3 | 375 in hole 450 lbs. |
| @ 3.7 | 750 in hole 525 lbs. |
| Lever Stroke for 10,000 lbs. | of clamp 27 deg. |
| Lining Type no | on asbestos organic or sintered |
| Total Lining Area | 14.0 sq. in. |
| Usable Lining Thickness Per | Pad 0.333 in. |
| Lever Positions | 30 degree increments |
| Weight | 21.5 lbs |
| | |

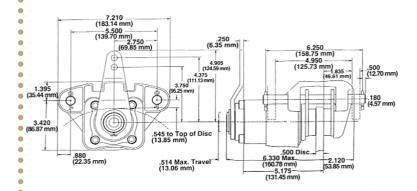
TYPICAL BRACKET CONFIGURATION:



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

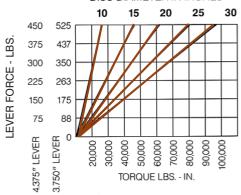


REFERENCE DIMENSIONS:



TORQUE INFORMATION:

DISC DIAMETER IN INCHES



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

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

T = developed torque in lbs.-in. F = applied lever force in lbs. DIA = diameter of rotor in inches μ = friction coefficient, assume 0.35



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