



The MD-03K-BT medium duty brake tester is designed to measure the braking force of the individual sides of the axles of light to medium duty vehicles. Measurements are fully automated and test results are passed to the system computer for pass / fail analysis. The integrated pop-up safety bars, or wheel locks, will not allow activation while rolls are in motion and as a safety precaution, will shut down the brake test if a vehicle rides out of the brake tester.

**Features:**

- Rear roll set grooved
- Measures total braking force per wheel
- Automatic safety stop feature
- Out-of-roundness indicator
- Measures brake force to vehicle weight ratio
- Measures front to rear braking difference
- Measures side to side braking difference



**MD-03K-BT**

**MEDIUM DUTY BRAKE TESTER**

<i>Type:</i>	Four-roll configuration, dynamically balanced Rear roll set grooved Offset rear rolls from front rolls (19 mm / .75 in)
<i>Maximum Load per Axle:</i>	3,000 kg / 6,614 lbs
<i>Frame</i>	Heavy duty structural steel
<i>Length:</i>	2934 mm / 115.5 in
<i>Width:</i>	750 mm / 29.5 in
<i>Frame Height:</i>	305mm / 12 in
<i>Rolls</i>	
<i>Number of Rolls:</i>	4
<i>Minimum Track Width:</i>	762 mm / 30 in
<i>Maximum Track Width:</i>	2591 mm / 102 in
<i>Diameter:</i>	202 mm / 7.95 in
<i>Length:</i>	914 mm / 36 in
<i>Roll Spacing:</i>	400 mm / 15.75 in
<i>Brake Testing</i>	
<i>Max. Brake Force / Wheel:</i>	0 - 510 kg / 0 - 1, 124 lbs / 0 - 5 kN
<i>Speed of Test:</i>	5 kph / 3 mph
<i>Motor x 2:</i>	3.7 kW / 5 hp
<i>Sensor Type:</i>	Load Cell
<i>Coefficient of Friction:</i>	.7 - .9 $\mu$
<i>Safety Bars</i>	
<i>Diameter:</i>	57.15 mm / 2.25 in
<i>Face Length:</i>	838 mm / 33 in
<i>Pneumatic Requirements:</i>	Air - 80 psi / 5.5 bars - clean, dry and regulated
<i>Power Requirements:</i>	460 VAC three phase, 25 Amp, 60 Hz Circuit Breaker - time limit type or Fuses - dual element, time delay
<i>Pit Installation</i>	
<i>Length:</i>	2960 mm / 116.5 in
<i>Width:</i>	775 mm / 30.5 in
<i>Depth:</i>	305mm / 12 in
<i>Shipping Weight:</i>	1,134 kg / 2,500 lbs



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• Specifications subject to change without notice.  
• Contact Mustang Dynamometer for certified power requirements and certified pit installation drawings prior to construction.



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