



The MD-13K-BT heavy duty brake tester is designed to measure the braking force of the individual sides of the axles of heavy 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:

- Total braking force per wheel
- Automatic safety stop
- Out-of-roundness indicator
- Brake force to vehicle weight ratio
- Front to rear braking difference
- Side to side braking difference
- Integral scale

MD-13K-BT

HEAVY DUTY BRAKE TESTER

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|---|---|
| <i>Type:</i> | Four-roll configuration, dynamically balanced Rear roll set grooved Offset rear rolls from front rolls (57.15 mm / 2.25 in) |
| <i>Maximum Load per Axle:</i> | 13,000 kg / 28,660 lbs |
| <i>Frame (Excluding Scale)</i> | Heavy duty structural steel |
| <i>Length:</i> | 3004 mm / 118.25 in |
| <i>Width:</i> | 1143 mm / 45 in |
| <i>Frame Height:</i> | 756 mm / 29.75 in |
| <i>Rolls</i> | |
| <i>Number of Rolls:</i> | 4 |
| <i>Minimum Track Width:</i> | 914 mm / 36 in |
| <i>Maximum Track Width:</i> | 2743 mm / 108 in |
| <i>Diameter:</i> | 269.9 mm / 10.625 in |
| <i>Length:</i> | 914 mm / 36 in |
| <i>Roll Spacing:</i> | 470 mm / 18.5 in |
| <i>Brake Testing</i> | |
| <i>Max. Brake Force/Wheel:</i> | 0 - 3,060 kg / 0 - 6, 744 lbs / 0 - 30 kN |
| <i>Speed of Test:</i> | 3 kph / 2 mph |
| <i>Motor x 2:</i> | 7.5 kW / 10 hp |
| <i>Sensor Type:</i> | Load Cell |
| <i>Coefficient of Friction:</i> | .7 - .9 μ |
| <i>Scale</i> | |
| <i>Maximum Load per Axle:</i> | 13,000 kg / 28,660 lbs |
| <i>Sensor type:</i> | Load Cell |
| <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, 50 Amp, 60 Hz Circuit Breaker - time limit type or Fuses - dual element, time delay |
| <i>Pit Installation (without scale)</i> | |
| <i>Length:</i> | 3029 mm / 119.25 in |
| <i>Width:</i> | 1169 mm / 46 in |
| <i>Depth:</i> | 756 mm / 29.75 in |



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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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