



MD-500-SE XL

12.625" Rolls, 190-mph, 1,500-hp, 2WD Upgradeable To AWD-500



THE MD-500-SE XL. Perfect if you plan to upgrade to an AWD dyne in the future.

The MD-500-SE XL can test all your 2WD performance vehicles and will help you grow your performance business. When the timing is right, simply add the AWD roll set and mechanical linkage system and you are ready to tune AWD performance machines.

For those shops that wish to ease into the dynamometer performance tuning market one step at a time, Mustang offers a perfect solution. The MD-500-SE XL dyne. An excellent 2WD performance dyne in and of itself, the MD-500 is simply one-half of the MD-AWD-500 system. The MD-500's multiple upgrade paths allow it to accept Mustang's AWD upgrade in the future and also enable it to accept a second eddy current PAU for increased loading capability should you ever feel the need to expand your testing capabilities.

The MD-500-SE XL also includes a large flywheel which lets the user use the dynamometer in inertia mode if desired. This thick flywheel helps the eddy current brake when in loaded mode as it serves as a substantial base inertia for testing. Lighter inertia dynos require a much higher duty cycle to complete a loaded test.

With 1,500-hp measurement capacity, the MD-500-SE XL can handle high performance front wheel and rear wheel drive vehicles. If your shop caters to the motorcycle market too, the MD-500 series can be purchased with the optional motorcycle adaptor kit.

Mustang's PowerDyne PC Software is Windows based, and offers the user the ability to test and tune vehicles using the industry's most expansive software program. In addition to steady state tuning, PowerDyne allows the user to perform Power Pulls, Drive-cycle Emulation, 1/4 and 1/8 mile Sprint Tests, Emulated Emissions Tests, and General Road-Testing. A full graphing and report utility is available to the user for post-analysis of individual runs.



Specifications

Horsepower:	1,500 hp peak measurement capacity 900/1,800 hp peak absorption (SE/DE model)
Loading Device:	Air-cooled eddy current power absorber
Inertia:	2,000 lbs. nominal inertia
Max Speed:	190 mph
Controls:	Closed Loop Digital Controller with Web-based Hole Shot Software. Includes Patented Virtual Road Simulation Technology.
Rolls/Wheelbase:	Precision machined & dynamically balanced, knurled rolls Belted for bi-directional capability 12.625" diameter balanced rolls 37" face length 24" inner track width 98" outer track width
Roll Lock:	Between roll lift with integrated roll lock
Roll Decelerator:	Allows vehicle deceleration without use of vehicle brakes. Eddy Current PAU used to decelerate rollers.
Air Requirements:	115 PSI, dry, regulated, oil free
Power Requirements:	115 VAC, single phase, 60 Hz, 20 Amps (server) 230 VAC, single phase, 60 Hz, 40 Amps (dynamometer)
Axle Weight:	6,000 lbs. maximum 12,000 lbs. maximum available
Shipping Weight:	6,000 lbs. (dynamometer weight only)